YERITH–ERP–9.0 Software System Product Sheet

YERITH–ERP–9.0 is an **ERP software system** with 6 **user roles, and types**:

1. « Administrator »
2. « Business manager »
3. « Cashier »
4. « Seller »
5. « ASSET – stock manager »
6. « Storekeeper ».

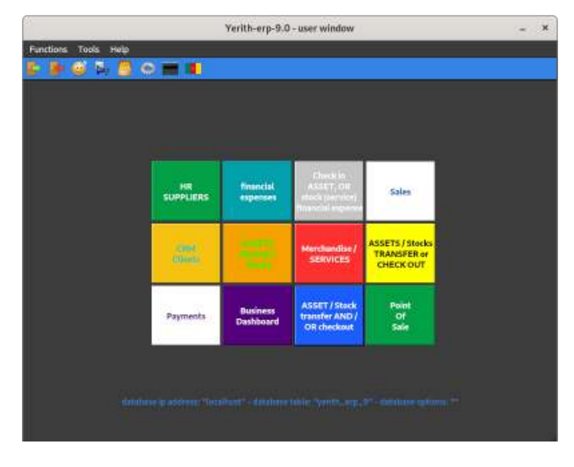
YERITH–ERP–9.0 **features**:

1. alerts over stock quantity, and, time period
2. business dashboard
3. HR (human resources), customer relationship management (CRM), budget line management
4. sale management (e.g. point of sale)
5. ASSET – stock management (e.g. check in)
6. user, and role administration
7. wildchar searches with character %.

YERITH–ERP–9.0 **is**:

1. easier, and, intuitiver, in its use
2. lighter, and, faster, in memory usage
3. multi sites.

YERITH–ERP–9.0's runtime memory usage test is realized using run–time software analysis tool **valgrind**.
GENERAL SOURCE CODE QUALITY CONTROL is realized with compile–time code analysis tool **Cppcheck**.



Business manager's main window



Cashier's main window

OPERATIONS

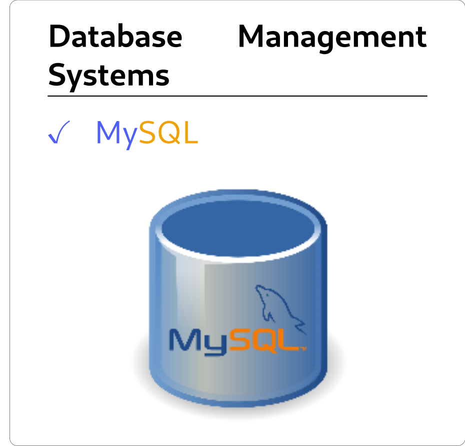
Point of Sale Hardware

✓ Barcode scanner
✓ Thermal printer, etc.



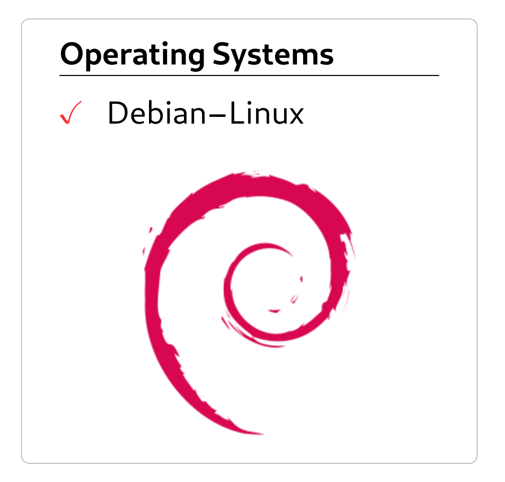
Database Management Systems

✓ MySQL



Operating Systems

✓ Debian–Linux



Advantages of YERITH–ERP–9.0 Compared to other top ERP Software Systems

YERITH–ERP–9.0 is a very easy to use ERP (Enterprise Resource Planing) software system because of its characteristics:

1. separate views for each user role
2. complete and fundamental training in 8 days
3. easy to use graphical user interface (GUI)
4. no college or university training needed
5. no formal business training needed
6. no financial accounting training needed
7. no internet connection needed.



Stock listing window

Table 1 pictures the 'effectiveness' and 'simplicity' of YERITH–ERP–9.0, compared to other top ERP software systems "Sage Gescom i7", and "SAP Business One".

	YERITH–ERP–9.0	Sage Gescom i7	SAP Business One
separate views per user role	YES	YES	YES
complete training (or solution)	at least 4 weeks	at least 2 months	at least 3 months
difficulty in navigation	easy	very difficult	very difficult
usage language in software	easy everyday English	simple	technical
financial accounting knowledge	no	no	useful
advanced marketing knowledge	no	useful	useful
internet connection	optional	optional	optional

Table 1: Comparison between YERITH–ERP–9.0 and 2 top tier–1 full featured ERP software systems

OPERATIONS

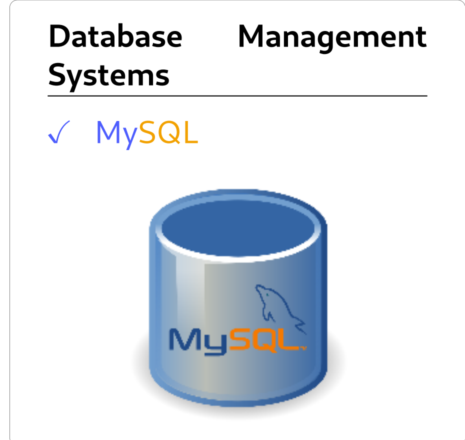
Point of Sale Hardware

- ✓ Barcode scanner
- ✓ Thermal printer, etc.



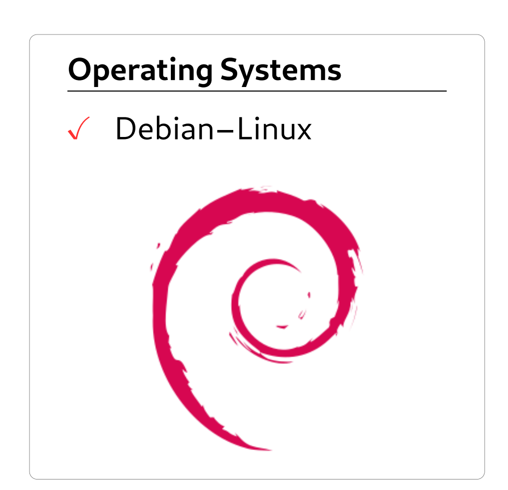
Database Management Systems

- ✓ MySQL



Operating Systems

- ✓ Debian–Linux



YERITH–ERP–9.0 Point Of Sale Recommended Hardware



Bar-code Scanner

1 Barcode Scanner

We recommend, but not exclusively, the use of barcode scanner: **" Xfox FJ–5 USB Plug and Play Automatic Barcode Scanner "** (approx. 17 €).



Thermal Printer

2 Thermal Printer

ALL EPSON THERMAL PRINTERS !

We recommend, but not exclusively, the use of thermal printer: **" Epson TM T20ii Point of Sale Thermal Printer "** (approx. 100 €).



Cash Drawer

3 Cash Drawer

We recommend, but not exclusively, the use of cash drawer: **" HP QT457AT "** (approx. 90 €).



Touchscreen Monitor

4 Touch Screen Monitor

We recommend, but not exclusively, the use of touch screen monitor: **" ASUS 15.6" LCD Monitor (VT168H) "** (approx. 155 €).



Computer

5 Computer

We recommend, but not exclusively, the use of desktop computer: **" Lenovo Thinkcentre M720 Small Form Factor (SFF) "** (approx. 450 €).



Multi User Terminal Computer

6 Multi User Terminal Computer

We recommend, but not exclusively, the use of multi user terminal computer: **" NC–300 Multi User Terminal Computer"** (approx. 112 €).

√ ***PECULIARITIES IN CERTAIN COUNTRIES AND/OR REGIONS*** **USAGE OF POINT–OF–SALE (THERMAL) PRINTERS REQUIRES ALSO ACQUISITION OF A GOVERNMENT–SOLD DEVICE FOR RECORDING AND CERTIFYING ALL FINANCIAL TRANSACTIONS BETWEEN THE THERMAL PRINTERS AND/OR YERITH–ERP–9.0 (e.g.: GERMANY, CANADA, etc.).**

Table 2.1: Devices and hardware useful for YERITH–ERP–3.0.



Figure 2.1: **Computer (MANDATORY)**



Figure 2.2: **Touchscreen Monitor (MANDATORY)**



Figure 2.3: Cash Drawer **(OPTIONAL)**



Figure 2.4: "Point of Sale Thermal Printer" **(OPTIONAL)**



Figure 2.5: Bar-code Scanner **(OPTIONAL)**



Figure 2.6: 1 Network Router **(MANDATORY)**



Figure 2.7: Numeric Tablet **(OPTIONAL)**



Figure 2.8: "2 in 1 Computer" **(OPTIONAL)**



Figure 2.9: Multi User Terminal Computer **(OPTIONAL)**

Figure 2.10: Hardware components of Multi–User Terminal Computer NC–300 (at `https://www.savingology.com`): images are taken from SavingOlogy.com.



Figure 2.11: NC–300 PCI card



Figure 2.12: NC–300 terminals

Information Brochure of the ERP software system YERITH−ERP−9.0

"Pr. Prof. Dr.−Ing. Xavier Noundou"

Tasks	« Business manager »	« Seller »	« ASSET – stock manager »	« Storekeeper »	« Cashier »
create a department	✓				
insert 1 ASSET, stock, or service	✓	✓ (SERVICE)	✓ (ASSET / STOCK)		
delete ASSET, stock	✓				
view ASSET, stock	✓	✓	✓	✓	✓
modify ASSET, stock	✓		✓		
transfer ASSET, stock	✓		✓	✓	
check−out ASSET, stock	✓		✓	✓	
modify ASSET, stock management strategy (e.g.: « FIFO », etc.)	✓	✓ (NO PERMANENT)	✓ (NO PERMANENT)		
point of sale	✓	✓			✓
view ASSET, stock transfers	✓		✓	✓	
purchase management	✓	✓	✓ (PARTIAL)		
supplier management	✓				
customer relationship management (CRM)	✓	✓ (PARTIAL)			
business dashboard	✓				
sale return	✓				
view sales information	✓	✓ (SELF)			

Table 1: YERITH−ERP−9.0 functions−tasks, and associated users−roles.

1 Developer Biography



Figure 1: Portrait of Dr.−Ing. XAVIER.

"Pr. Prof. Dr.−Ing. Xavier Noundou" is a CHRISTIAN BY FAITH, Cameroonian, born on September 16 1983 in DOUALA (LITTORAL region, CAMEROON).

Xavier has a *"Diplom−Informatiker (Dipl.−Inf.)"* qualification from the **University of Bremen, Bremen, Bremen, GERMANY** (May 25, 2007).

XAVIER NOUNDOU IS A PHILOSOPHIAE DOCTOR (PH.D.) from **THE UNIVERSITY OF WATERLOO (ON, CANADA); DECEMBER** 20, 2011 **!**

Xavier has following academic research and professional engineering contributions:

1. 'Context-Sensitive Staged Static Taint Analysis For C using LLVM'
   1. source code in C++: https://github.com/sazzad114/saint
   2. full text: https://archive.org/download/yerith-saint-2021-MARCH-01/YERITH-SAINT-2021-MARCH-01.pdf
2. 'YERITH-ERP-3.0':
   1. source code in C++:
      a. YERITH−ERP−3.0: https://github.com/yerithd/yerith-erp-9-0
      b. YERITH−ERP−3.0 SYSTEM DAEMON: https://github.com/yerithd/yerith-erp-9-0-system-daemon
      c. YR−DB−RUNTIME−VERIF: https://github.com/yerithd/yr-db-runtime-verif
      d. YR_SD_RUNTIME_VERIF: https://github.com/yerithd/yr_sd_runtime_verif
   2. full text (ongoing publication): https://archive.org/download/yerith-erp-pgi-compendium_202206/JH_NISSI_ERP_PGI_COMPENDIUM.pdf .

2 Introduction

YERITH–ERP–9.0 is an **Enterprise Resource Planing** (ERP) software system.

Users of YERITH–ERP–9.0 could have the following roles:

1. « Administrator »
2. « Business manager »
3. « Cashier »
4. « Seller »
5. « ASSET – stock manager »
6. « Storekeeper ».

YERITH–ERP–9.0 allows for business management tasks (listed in Table 1), depending on user role, as follows:

1. create a department (e.g.: finance, asset, stock, etc.)
2. manage clients, and human resources, and suppliers
3. manage enterprise asset (e.g.: cars, etc.)
4. manage financial expenses WITH BUDGET LINES
5. manage inventory stock
6. manage sales
7. view business dashboards (across sites).

3 Potential Usages of YERITH–ERP–9.0

YERITH–ERP–9.0 potential usages are:

1. STOCK AND TRADE EXCHANGES MARKET PLACE
2. ENTERPRISE RESOURCE AND PLANING SOFTWARE for supermarkets and commercial stores
3. i.e. ANY NON GOVERNMENTAL ORGANIZATION, or GOVERNMENTAL ORGANIZATION.

4 Advantages of YERITH–ERP–9.0

1. YERITH–ERP–9.0 is 100% stable
2. YERITH–ERP–9.0 has an alert system with two types of alerts: alerts based on stock–quantity, and time–period alerts
3. users have the choice between small size receipts, and, bigger size receipts ("A4")
4. YERITH–ERP–9.0 runs on the Linux operating system, because Linux is stable, performant, and less vulnerable to security breaches in comparison to other operating systems ('`Windows 10`')
5. YERITH–ERP–9.0 has an user interface "Sales" to view sale information (Figure 2), and thus enables users to make managerial decisions
6. YERITH–ERP–9.0 has an interface "Business dashboard" that generates financial accounting reports, from sale and payment information, to help managers to make "business decisions".

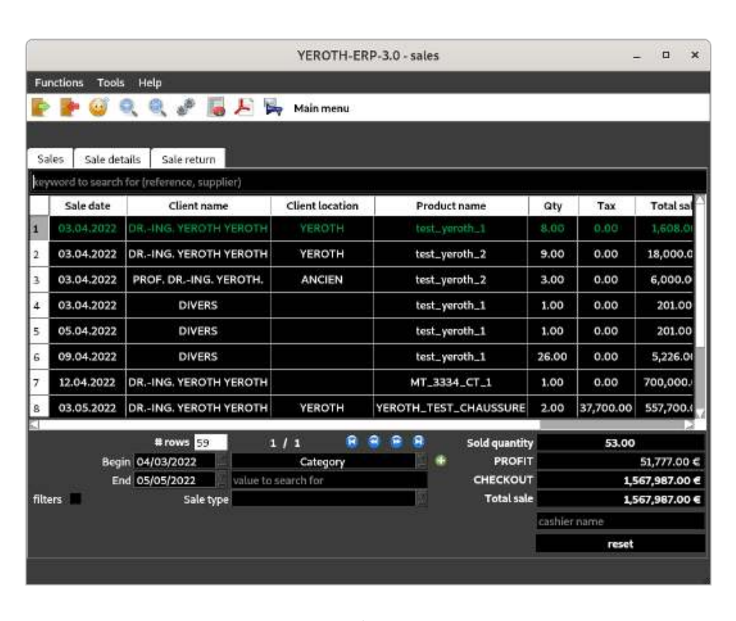


Figure 2: Sale–information window.

5 Alert System

Users with roles « Administrator » or « Business manager » are the ones able to create alerts.

YERITH–ERP–9.0 allows its users to create two types of alerts:

1. alerts over stocks–quantities
2. alerts over time intervals (this helps for perissable articles and for sales discounts over a period of time).

5.1 Alerts over Stock–Quantity

An alert aver a stock–quantity is a message that is sent to a pre–determined user whenever "pre–determined" stock–quantity (X) of a specific article–stock is reached.

For instance, Xavier (« Business manager ») could create an alert for stock "mango" that will be trigerred whenever stock "mango" quantity reaches 100; An alert–message is sent to user John (« Storekeeper »).

5.2 Alerts over Time–Period

A time–period is defined by a starting–date and an ending–date (dates are from the "gregorian" calendar).

An alert aver a time–period (T) is a message that is generated, sent to a pre–determined user, and kept within YERITH–ERP–9.0 from T's starting–date up to T's ending–date.

For example, an alert with a message has to be sent to Paul (« Cashier ») when the date of May 05th is reached. The alert message specifies that a rebate of 20% has to be applied on every sale of yoghourt 'trèsbon' during a time interval of 2 weeks.

6 Database Management System

YERITH–ERP–9.0 uses `'MariaDB'` as the standard DBMS. `'MariaDB'` is very stable, very performant, and free–software.

7 Conclusion

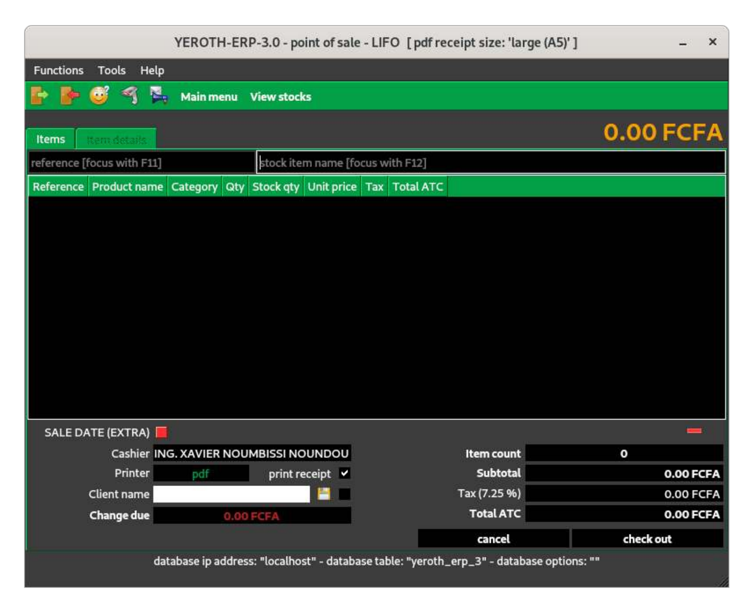


Figure 3: Point−of−sale window.

Figure 3 illustrates the window for selling articles.

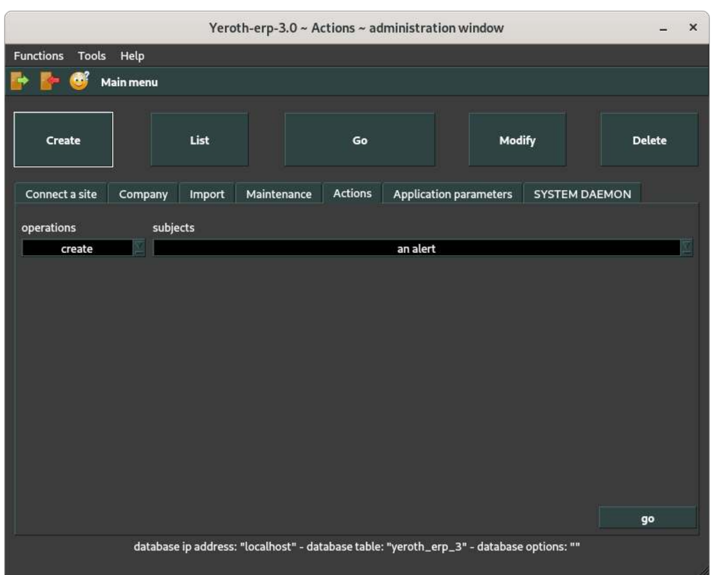


Figure 4: Administrative window for business manager.

Figure 4 illustrates the administrative window for business managers.

Installation Guide for ERP Software System YERITH−ERP−9.0

"Pr. Prof. Dr.−Ing. Xavier Noundou"

VERSION: July 30, 2024

Contents

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List of Tables

Chapter 1

INTRODUCTION

1.1 Typography

Within this guide, all commands written in the following type setting:

`command`

are to be executed as "super user" ("root user").

1.2 HARDWARE REQUIREMENTS

1.2.1 SCREEN (computer Desktop)

YERITH−ERP−9.0 is best screen sized on a screen of 22 inch and higher !

1.2.2 RANDOM ACCESS MEMORY (RAM)

YERITH−ERP−9.0 could be used with a computer with a Random Access Memory (RAM) of about 512 Mb.

HOWEVER, FOR MAXIMUM PERFORMANCE, I RECOMMEND AT LEAST 2 GB OF RAM MEMORY !

1.3 Prerequisite Software

Table 1.1: Prerequisite software for installation of YERITH−ERP−9.0.

Software	Versions
Debian	11.1 (bullseye)
gdebi	$0.9.5.7 + nmu5$
mariadb-server	$10.5.12 - 0 + deb11u1$
mariadb-client	$10.5.12 - 0 + deb11u1$
Qt	5.15.2
Texlive	$2020.20210202 - 3$

1.4 Files Required for Installation Procedure

Table 1.2: Files required for installation of YERITH−ERP−9.0.

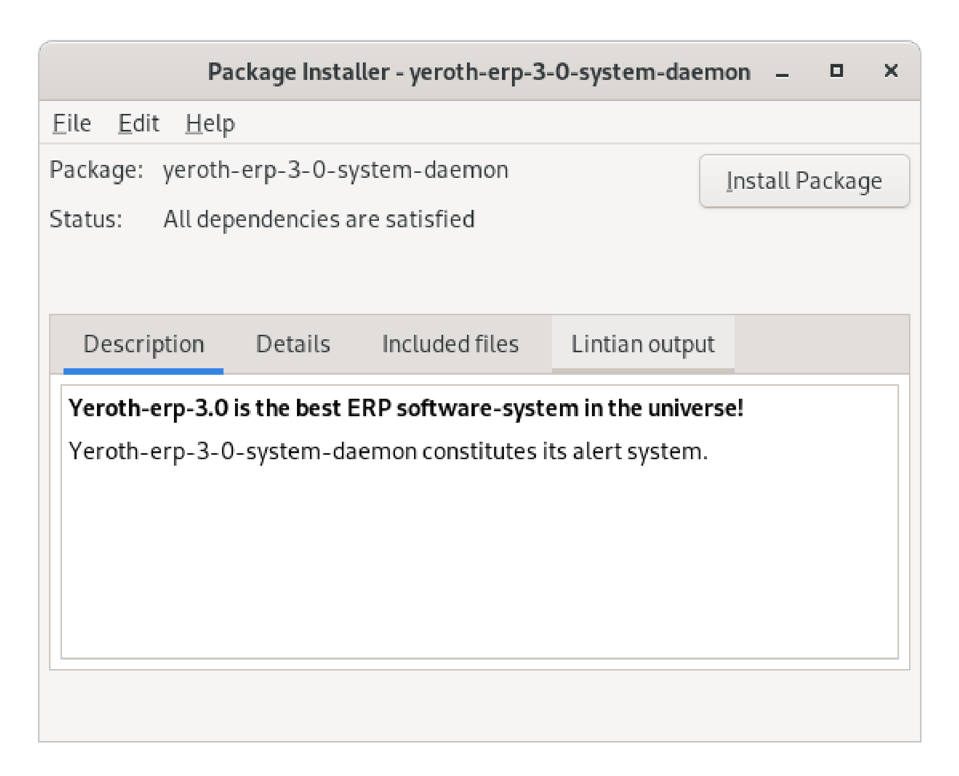
FILES
"**yerith-erp-9-0-standalone-ENGLISH.deb**"
"**yerith-erp-9-0-standalone-configurations-data-ENGLISH.deb**"
"**yerith-erp-9-0-system-daemon.deb**"

Table 1.2 illustrates files required for installing YERITH−ERP−9.0.

Chapter 2

AUTOMATED INSTALLATION with gdebi-gtk OR gdebi

Figure 2.1: Gdebi-gtk user graphical interface.



2.1 Installation of gdebi-gtk and gdebi

1. Open a ”bash–terminal”
2. type following command:

```
apt -y install gdebi-gtk gdebi
```

2.2 Installation with gdebi-gtk

1. Open a ”bash–terminal”
2. type following command:

```
gdebi-gtk yerith-erp-9-0-standalone-ENGLISH.deb
```

3. press button "Install Package"
4. repeat the previous command with files "**yerith-erp-9-0-standalone-configurations-data-ENGLISH.deb**" and "**yerith-erp-9-0-system-daemon.deb**" respectively.

2.3 Installation with gdebi

1. Open a "bash−terminal"
2. type following command:

```
gdebi -n yerith-erp-9-0-standalone-ENGLISH.deb
```

3. repeat the previous command with files "**yerith-erp-9-0-standalone-configurations-data-ENGLISH.deb**" and "**yerith-erp-9-0-system-daemon.deb**" respectively.

Chapter 3

MANUAL Installation Procedure Of YERITH−ERP−9.0 – DBMS

3.1 INSTALLATION STEPS OF `mariadb-server` (ON REMOTE COMPUTER−SERVER)

Following steps have to be followed in order to have a well functioning installation of YERITH−ERP−9.0 – DBMS:

1. install database software `mariadb-server` (ON REMOTE COMPUTER−SERVER)
2. modify IF REQUIRED MYSQL CONFIGURATION FILE '/etc/mysql/mariadb.conf.d/50-server.cnf' (ON REMOTE COMPUTER−SERVER).

3.2 Installation of `mariadb-server` (ON REMOTE COMPUTER−SERVER)

1. Open a "bash−terminal"
2. type following command:

```
apt -y install mariadb-server mariadb-client
```

3.3 Modify MYSQL CONFIGURATION FILE '/etc/mysql/mariadb.conf.d/50-server.cnf'

APPLY THE FOLLOWING INSTRUCTIONS ONLY IF YOU REQUIRE YOUR YERITH−ERP−9.0 – DBMS to be on a REMOTE COMPUTER−SERVER DIFFERENT FROM 'localhost'!

1. MODIFY INLINE 'bind-address = 127.0.0.1' TO 'bind-address =YE.YF.YG.YH' WHERE 'YE.YF.YG.YH' REPRESENTS PUBLIC IP ADDRESS OF LOCAL DBMS−COMPUTER
2. this step requires a reboot of DBMS−mariadb−server:

```
service mariadb restart
```

Chapter 4

MANUAL Installation Procedure Of YERITH−ERP−9.0

4.1 INSTALLATION STEPS OF YERITH−ERP−9.0

Following steps have to be followed in order to have a well functioning installation of YERITH−ERP−9.0:

1. install `gdebi` and `expect` software
2. install YERITH−ERP−9.0 (`Qt` and `Texlive` are automatically installed)
3. modify configuration file 'yerith−erp−3−0.properties' to access YERITH−ERP−9.0 – DBMS.

4.2 Installation of gdebi and expect

1. Open a "bash−terminal"
2. type following command:

```
apt -y install gdebi expect
```

4.3 Installation of Qt, Texlive, and of YERITH−ERP−9.0

1. Open a "bash−terminal"
2. type command:

   `gdebi -n yerith-erp-9-0-standalone-configurations-data-ENGLISH.deb`

3. then type command (INSTALLS ALERT AND SAVE-BACKUP SYSTEM daemon):

   `gdebi -n yerith-erp-9-0-system-daemon.deb`

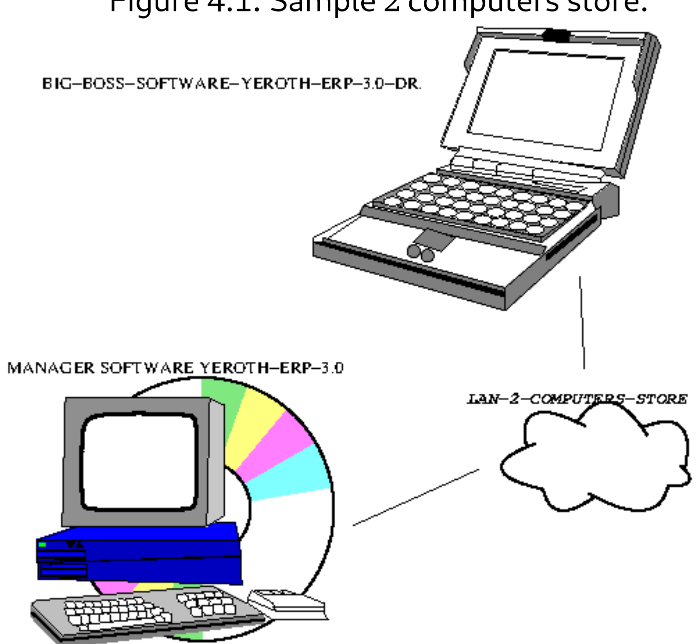
4. then finally type command:

   `gdebi -n yerith-erp-9-0-standalone-ENGLISH.deb`

   This command automatically installs Qt, and Texlive.

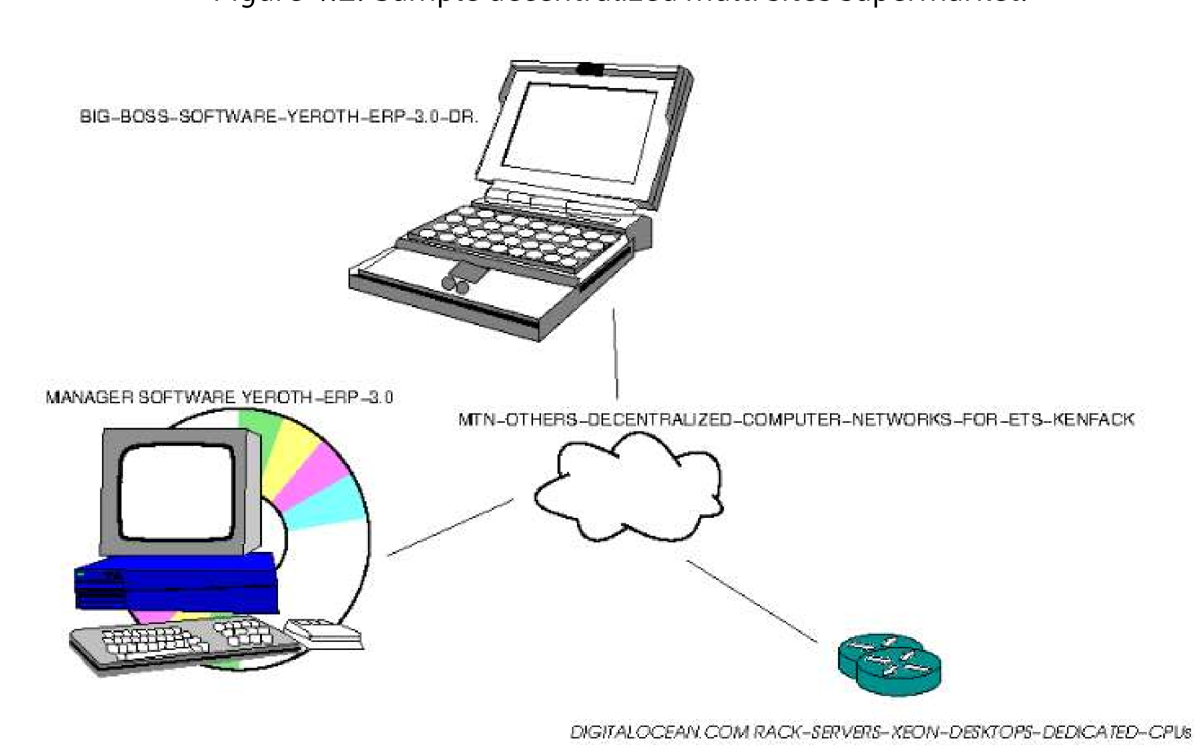
4.4 Sample 2 computers store

Figure 4.1: Sample 2 computers store.



4.5 Sample decentralized multi sites supermarket

Figure 4.2: Sample decentralized multi sites supermarket.



4.6 Modify (IF REQUIRED) CONFIGURATION FILE 'yerith−erp−3−0.properties' to access YERITH−ERP−9.0 – DBMS

APPLY THE FOLLOWING INSTRUCTIONS ONLY IF YOU REQUIRE YOUR YERITH−ERP−9.0 – DBMS to be on a REMOTE COMPUTER−SERVER DIFFERENT FROM 'localhost'!

1. FILE 'YERITH−ERP−3−0.PROPERTIES' IS LOCATED AT LOCAL DRIVE: '/opt/yerith−erp−3−0−standalone−configurations−data'
2. MODIFY INLINE 'db_ip_address=localhost' TO 'db_ip_address=YE.YF.YG.YH' WHERE 'YE.YF.YG.YH' REPRESENTS REMOTE COMPUTER−SERVER−DBMS IP ADDRESS.

Appendix A

Standard Admistrative User Account 'admin'

After YERITH−ERP−9.0 successful installation, the application is accessible using a standard administrative user account with the following credentials:

1. user name: **admin**
2. user password: **admin1**

This administrative user account could be modified at your wish.

Appendix B

HOW TO CONFIGURE A POINT−OF−SALE THERMAL PRINTER

Appendix C

PREFERENCE FILES FOR A USER OF YERITH−ERP−9.0

Appendix D

YERITH−ERP−9.0 CONFIGURATION FILES

Appendix E

how to uninstall 'YERITH−ERP−3.0'

1. Open a "bash−terminal"
2. type command:

```
apt -y --purge remove yerith-erp-9-0-standalone-english
```

3. FINALLY, type command:

```
apt -y --purge remove yerith-erp-9-0-standalone-configurations-data-english
```

Appendix F

how to uninstall 'YERITH−ERP−3.0−SYSTEM−DAEMON'

1. Open a "bash−terminal"
2. type command:

```
apt -y --purge remove yerith-erp-9-0-system-daemon
```

User's Guide for the Design and Testing System YERITH_QVGE (YRI_QVGE)

AUTHOR: Xavier Noundou (Pr. Prof. Dr.–Ing.)
Contact: YERITH.XAVIER@gmail.com

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Table 1: STATE DIAGRAM MEALY MACHINE SPECIFICATION KEYWORDS IN YERITH_QVGE. 'AUTO' KEYWORDS SPECIFIES ALSO SQL QUERY FOR GOING OUT AUTOMATICALLY FROM A FAIL (FORBIDDEN) STATE. ("SEE SECTION 9.")

scientific keywords	engineering keywords
in_set_trace	in_sql_event_log
not_in_set_trace	not_in_sql_event_log
`recovery_sql_query`	`recovery_sql_query`
STATE	STATE
START_STATE	BEGIN_STATE
FINAL_STATE ("FINAL_STATE_AUTO")	END_STATE ("END_STATE_AUTO") / ERROR_STATE ("ERROR_STATE_AUTO")
IN_PRE	IN_BEFORE
IN_POST	IN_AFTER
NOT_IN_PRE	NOT_IN_BEFORE
NOT_IN_POST	NOT_IN_AFTER

Figure 1: A motivating example, as previous bug found in YERITH−ERP−9.0.
$Q0$:= NOT_IN_BEFORE(YRI_ASSET, department.department_name).
$\overline{Q1}$:= IN_AFTER(YRI_ASSET, stocks.department_name).

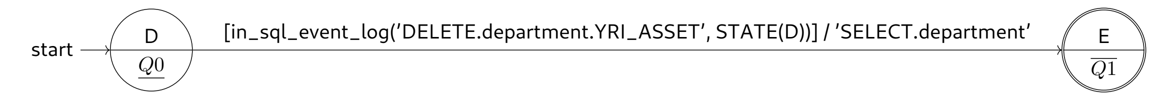


Figure 2: YERITH−ERP−9.0 administration section displaying departments ($\neg\overline{Q0}$).

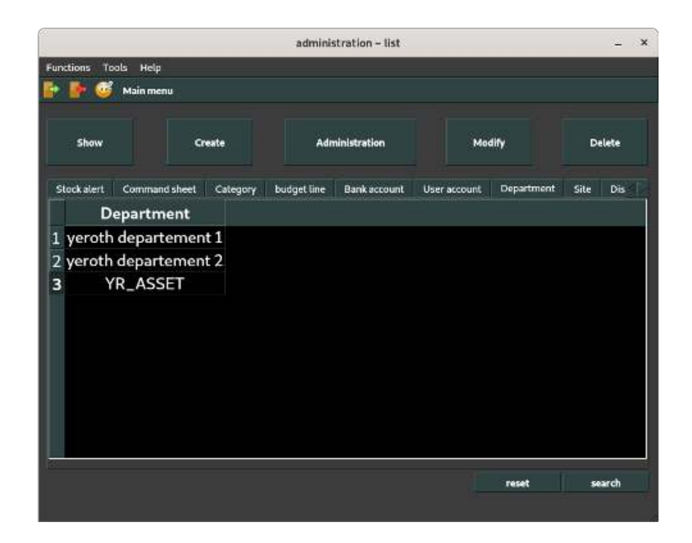


Figure 3: YERITH−ERP−9.0 stock asset window listing some assets ($\overline{Q1}$).

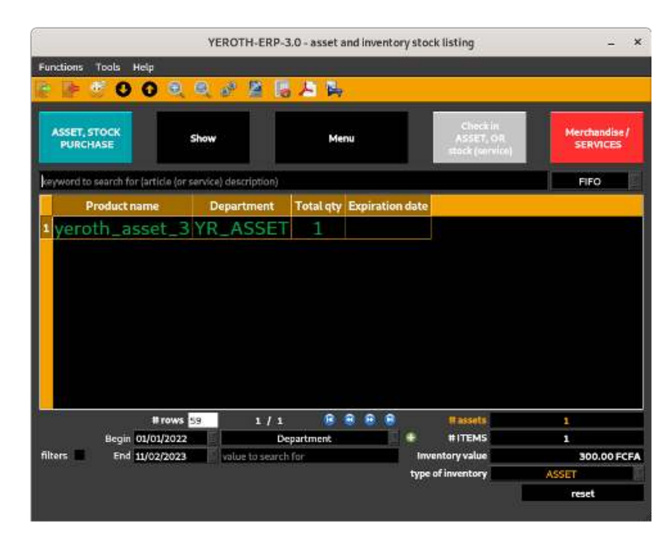


Figure 4: **A SAMPLE state diagram mealy machine file. KEYWORDS belonging both to 'engineering ("ERROR_STATE_AUTO")', and 'science (START_STATE)' can be intermingled in the same SDMM specification file.**

```
yr_sd_mealy_automaton_spec yr_missing_department_NO_DELETE
{
 START_STATE(d):NOT_IN_BEFORE(YRI_ASSET,department.department_name)
  ->[in_sql_event_log('DELETE.departement.YRI_ASSET',STATE(d))]/'SELECT.department'->
   ERROR_STATE(e):IN_AFTER(YRI_ASSET,stocks.department_name).
}
```

Figure 5: A SCREENSHOT OF YERITH_QVGE.

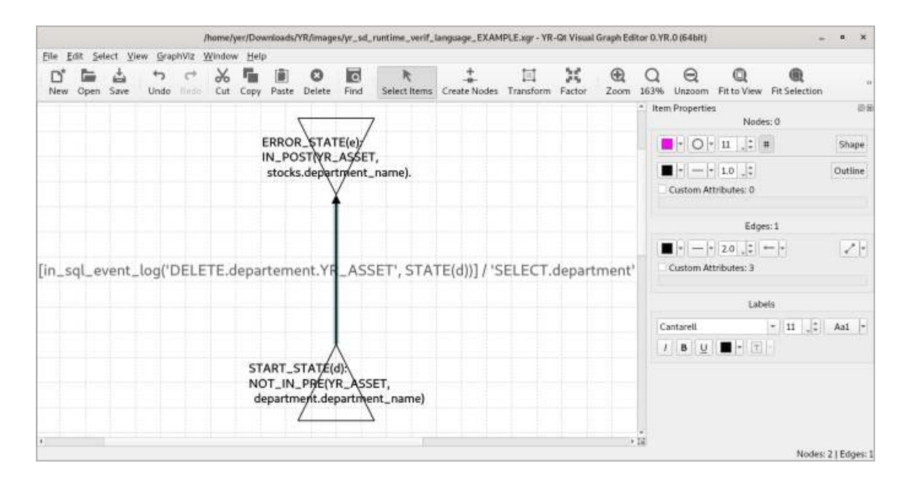


Figure 6: A SCREENSHOT OF YRI-DB-RUNTIME-VERIF SQL EVENT LOG.

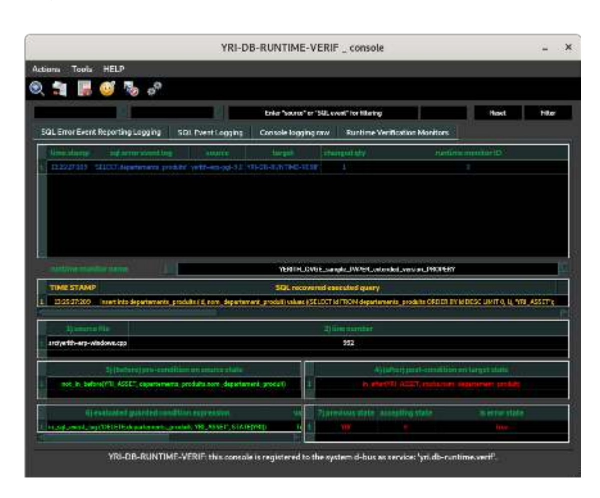
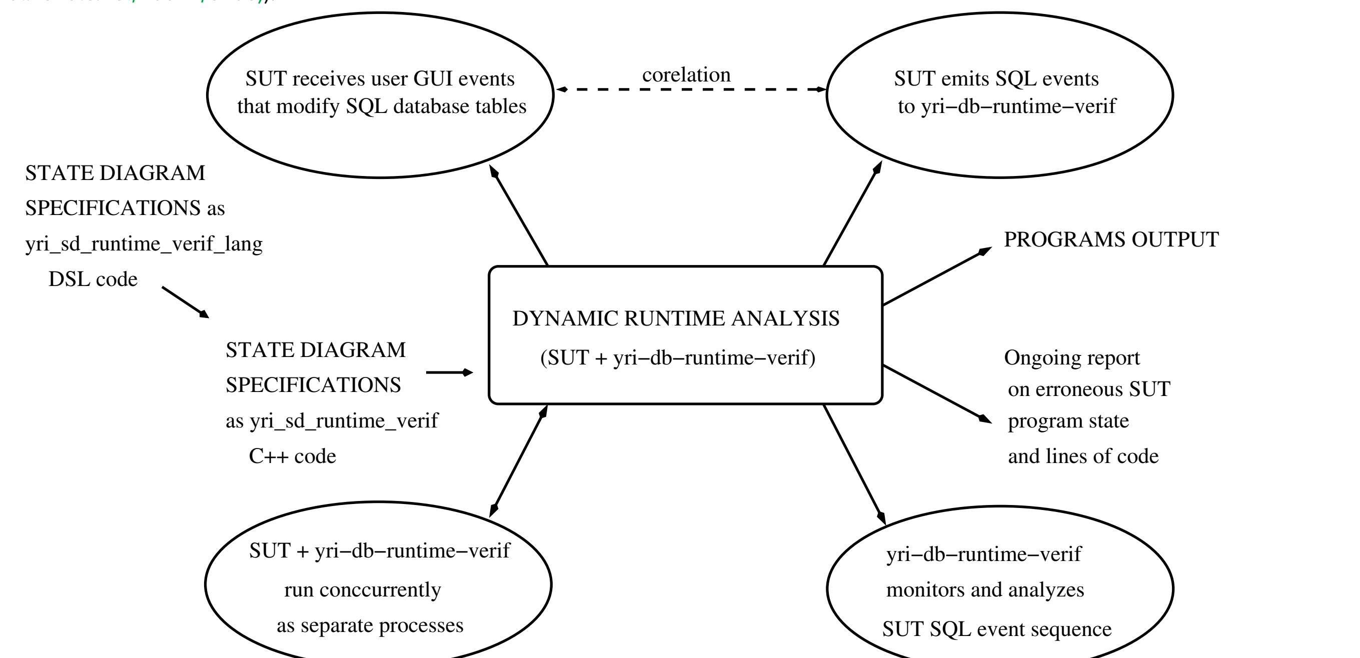
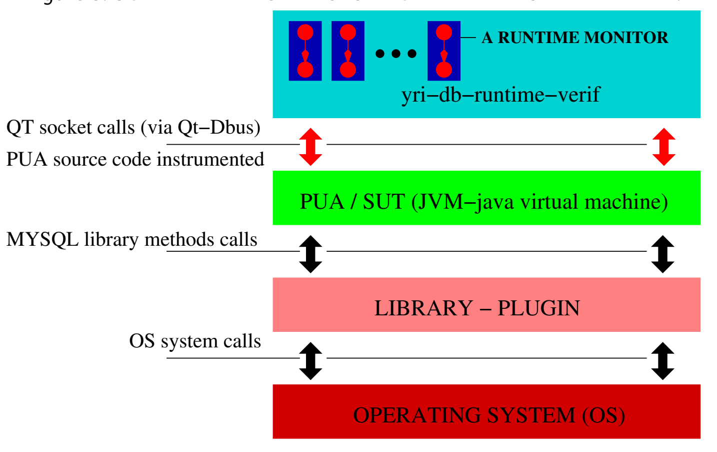


Figure 7: YRI-DB-RUNTIME-VERIF operation WORKFLOW (inspired from "Jon Eyolfson's RV'13 paper on TRACERORY" (https://hdl.handle.net/10012/6206)).



1 Introduction

Figure 8: SOFTWARE ARCHITECTURE OF YRI-DB-RUNTIME-VERIF.



This user's guide helps briefly and concisely how to create a binary executable of the runtime monitoring testing tool **YRI-DB-RUNTIME-VERIF** having user defined runtime monitors. The guide also specifies keywords allowed within runtime monitor specifications as State Diagram Mealy Machines.

YERITH_QVGE (YRI_QVGE) could be used for the following automatic generation, analysis, verification, and validation tasks:

1. Automatic generation of runtime monitoring module program to prove whether a test procedure, automated, or not, is correct with regards to a test and / or design STATE DIAGRAM MEALY MACHINE (formally described in [Nou23]).

   In effect, let the test execution be runtime monitored to watch whether accepting error states would be found.

   For instance, Junit testing environment could automatically integrate an automatically generated runtime monitor infrastructure for unit testing.

2. Automatic generation of runtime monitoring module program for any software that can emit DBus messages.

   "Such runtime monitoring modules are for interest for special LTL model checking properties that cannot get a definite answer through use of a conventional model checker".

3. Software design properties with SQL

4. Software design properties including event sequences over different layers of software system architecture

5. Class diagram with sequence diagram.

[1] https://github.com/yerithd/yri_sd_runtime_verif
[2] https://github.com/yerithd/yri-db-runtime-verif
[3] Scientific: fail (forbidden) trace.
[4] Structure Query Language.

2 YERITH_QVGE (YRI_QVGE) Short Overview

Figure 9: YERITH_QVGE software library dependencies.

Diagram from CASE tool (e.g.: YERITH_QVGE)
↓
YRI_SD_RUNTIME_VERIF_LANG
↓
YRI_SD_RUNTIME_VERIF_UNIT_TESTS
↓
YRI_SD_RUNTIME_VERIF_LANG_COMP
↓
Runtime monitor container
(e.g.: YRI–DB–RUNTIME–VERIF)

YERITH_QVGE is a CASE (Computer-Aided Software Engineering) design tool to generate "domain-specific language (DSL) YRI_SD_RUNTIME_VERIF_LANG [1]" files, to be inputted into the "compiler YRI_SD_RUNTIME_VERIF_LANG_COMP", so to generate C++ files for the "runtime verifier tester YRI-DB-RUNTIME-VERIF [2]" that allows for manual verification of SQL correctness properties of Graphical User Interface (GUI) software.

Figure 10 illustrates a workflow diagrammatically of the afore described process.

Figure 9 show a diagram of the afore described process; The step of the unit tests is colored in gray because it is only for developers of YERITH_QVGE intended.

YRI-DB-RUNTIME-VERIF inputs SQL correctness properties expressed using the formalism "*state diagram mealy machine* (YRI_SD_RUNTIME_VERIF_LANG)". Figure 8 illustrates a software system architecture of YRI-DB-RUNTIME-VERIF, together with the monitored program under analysis. The Free Open Source Code Software (FOSS) tool-chain of development testing is located as follows for free, EXCEPT for "YERITH_QVGE " that is a Closed Source Code Software (CSCS):

- COMPILER (i.e.: YRI_SD_RUNTIME_VERIF_LANG_COMP): `https://github.com/yerithd/yri_sd_runtime_verif_lang`
- RUNTIME VERIFIER TESTER (i.e.: YRI-DB-RUNTIME-VERIF): `https://github.com/yerithd/yri-db-runtime-verif`
- state diagram mealy machine UNIT TESTS CODE (i.e.: YRI_SD_RUNTIME_VERIF_UNIT_TESTS): `https://github.com/yerithd/yri_sd_runtime_verif_UNIT_TESTS`
- state diagram mealy machine (i.e.: YRI_SD_RUNTIME_VERIF_LANG): `https://github.com/yerithd/yri_sd_runtime_verif`

3 YERITH_QVGE (YRI_QVGE) Project Dependency

Table 2: YERITH_QVGE Design and Testing System Dependencies

PROJECT	Required Program / Library
1) YRI_SD_RUNTIME_VERIF_LANG	
2) YRI_SD_RUNTIME_VERIF_LANG_COMP	1)
3) YRI_SD_RUNTIME_VERIF_UNIT_TESTS	1)
4) YRI-DB-RUNTIME-VERIF	2)

Table 2 illustrates for each library project, which others it depends on.

4 Advantages of YERITH_QVGE

A sample state diagram mealy machine is shown in Figure 4.

WITH manual drawing of SQL CORRECTNESS PROPERTY MODEL, you are freed from manually writing "state diagram mealy machine text files" that could be tedious and lengthy. Also, editing state diagram mealy machine files manually could be more error-prone than letting a compiler (YRI_SD_RUNTIME_VERIF_LANG) do it for you.

5 State Diagram Mealy Machine (SDMM)

TABLE 1 depicts scientific keywords and their engineering counterpart that can be used in describing NOT DESIRABLE [3] SQL [4] call sequence state diagram mealy machine in YERITH_QVGE Design and Testing System.

A STATE DIAGRAM mealy machine specification is compiled into C++ code that describes a runtime monitor to be executed in the runtime monitoring tester YRI-DB-RUNTIME-VERIF. Figure 4 depicts a sample State Diagram Mealy Machine specification on a NOT DESIRABLE SQL call sequence.

5.1 HOW TO READ A "SDMM"

Figure 1 shows a finite automaton representation of the mealy machine description in Figure 4. It shall be read as follows:

- The program is in a start state D; state D is a start state since there is incoming "START" arrow into it.
- (**Pre-**) Condition $Q0$: "department name `'YRI_ASSET'` is not in table column `'department_name'` of database table `'department'` "; applies in state D.
- Whenever GUARD CONDITION : ***in_sql_event_log('DELETE.department.YRI_ASSET', STATE(d))***: "event `'DELETE.department.YRI_ASSET'` appears in SQL event log (trace) leading to state D"; applies in state D, system under test (SUT) event `'SELECT.department'` could occur.
- When SUT event `'SELECT.department'` occurs, SUT is now in state E; state E is an error state because the node that represents it in Figure 1 has 2 circles on it.
- (**Post-**) Condition $\overline{Q1}$: "department name `'YRI_ASSET'` is in table column `'department_name'` of database table `'stocks'` "; applies in state E.

  This shall not be the case since department `'YRI_ASSET'` is no more defined in SUT database table `'department'`.

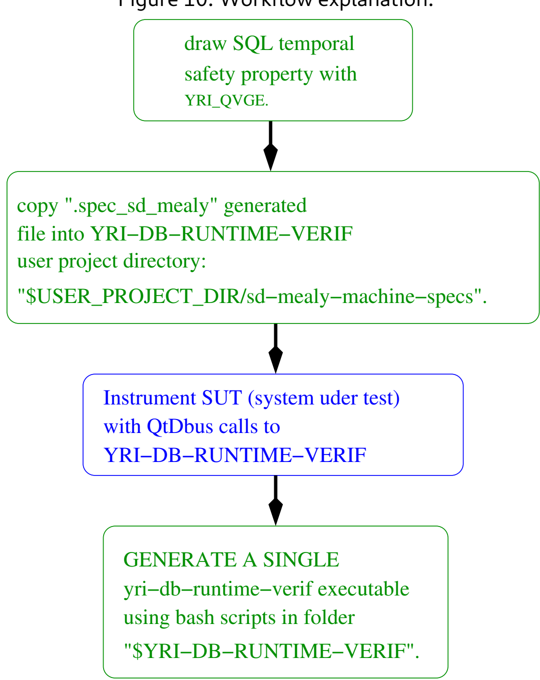
5.2 "SDMM" WITH MORE THAN 2 STATES

State Diagram Mealy Machines (SDMM) with more than 2 states have following characteristics, as detailed in scientific and engineering journal paper [Nou23] in preparation:

- Only the first transition has a pre-condition specification
- Each other transition only has a post-condition specification
- Since each state only has 1 outgoing state transition, the post-condition of the previous (incoming) state transition acts as the pre-condition of the next transition.

6 YERITH_QVGE (YRI_QVGE) Workflow

Figure 10: Workflow explanation.



The **"Design and Testing System"** YERITH_QVGE works with following workflow, as illustrated graphically in Figure 10, and in Figure 7:

1. Draw Structure Query Language (SQL) temporal safety property using drawing tool YERITH_QVGE;
2. copy the generated ".spec_sd_mealy" files into a user project directory in YRI-DB-RUNTIME-VERIF home development folder: "$YRI–DB–RUNTIME–VERIF";
3. follow the steps described in Section 7 so to gather a single executable that defines all specified runtime monitors.

7 Custom User Project (YRI–DB–RUNTIME–VERIF)

Table 3: YRI-DB-RUNTIME-VERIF Directories

Variable for illustration purposes	Meaning
$YRI–DB–RUNTIME–VERIF	root directory of YRI-DB-RUNTIME-VERIF
$YRI–DB–RUNTIME–VERIF/$USER_PROJECT	root directory of user project

Table 3 illustrates directories that will be used to describe a process to generate a single binary executable for a user's custom project with several runtime monitor specifications.

Figure 6 illustrates a screenshot of the Graphical User Interface (GUI) of YRI-DB-RUNTIME-VERIF. You can get a copy of YRI-DB-RUNTIME-VERIF using the following command:

git clone https://github.com/yerithd/yri-db-runtime-verif

Creating a binary executable for State Diagram Mealy Machine (SDMM) specifications consists of the following elements:

1. 'MariaDB' database connection configuration file: this file defines settings to connect to the system under test (SUT) application database; it is located in path: "$YRI–DB–RUNTIME–VERIF/YRI-DB-RUNTIME-VERIF-GUI-ELEMENTS-SETUP/yri-db-runtime-verif-database-connection.properties".

   ***A database connection to the SUT application database is required in order to check LTL property through the SDMM application library* YRI_SD_RUNTIME_VERIF_LANG.**

2. Property configuration file: this file defines environment variables necessary for building a binary executable for the user; it is located in path: "$YRI–DB–RUNTIME–VERIF/$USER_PROJECT/bin/configuration-properties.sh".

3. "$YRI–DB–RUNTIME–VERIF/$USER_PROJECT/sd-mealy-machine-specs": this directory contains user defined State Diagram Mealy Machine (SDMM) specifications to generate Corresponding runtime monitors within a single binary executable.

4. Generate an executable for a user defined runtime monitor:

   a) execute following command in directory "$YRI–DB–RUNTIME–VERIF":

   ```
   . ./YRI-create-executable-for-user-SDMM.sh -d $USER_PROJECT
   ```

   b) modify the LTL verification code part within the generated source code files.

   Then execute following command in directory "$YRI–DB–RUNTIME–VERIF":

   ```
   ./yr_db_runtime_verif_BUILD_DEBIAN_PACKAGE.sh
   ```

   c) uninstall YRI-DB-RUNTIME-VERIF with following command in directory "$YRI–DB–RUNTIME–VERIF":

   ```
   ./yr_DB_RUNTIME_VERIF_uninstall.sh
   ```

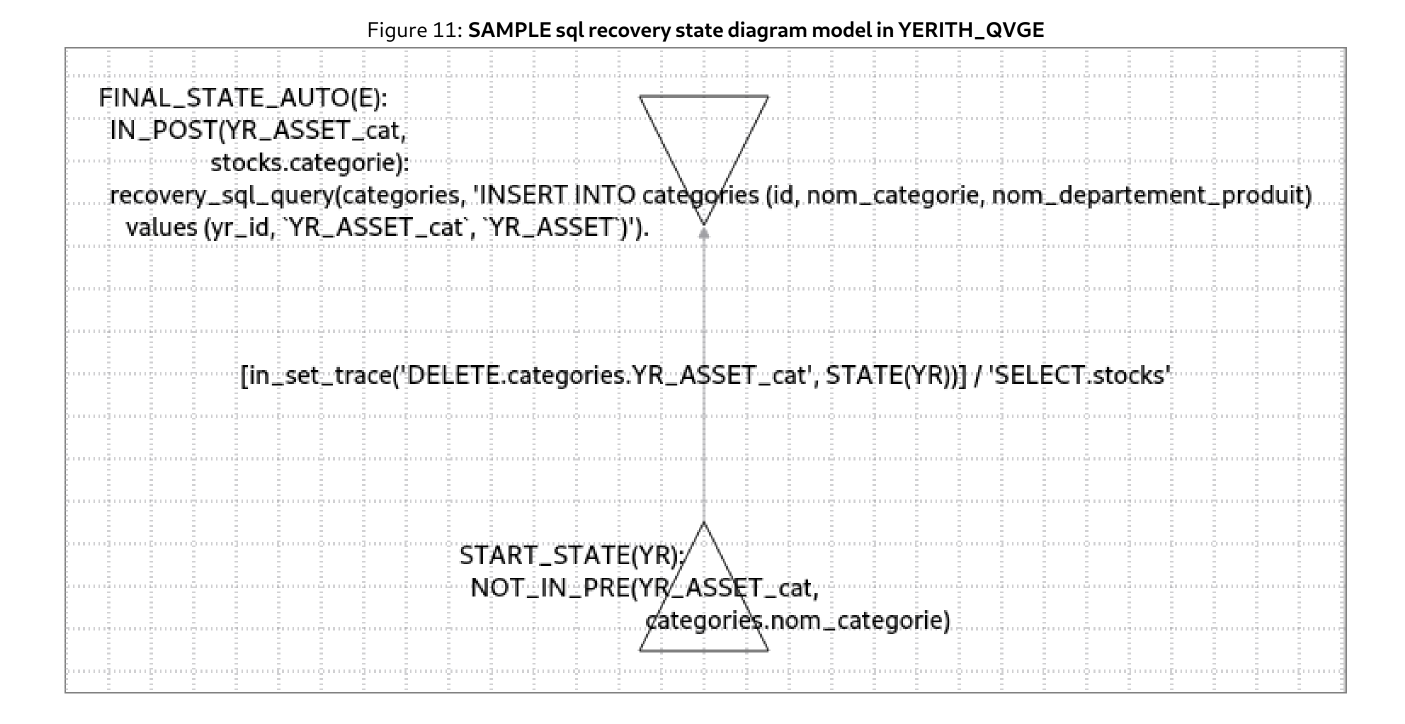
   d) re–install YRI-DB-RUNTIME-VERIF with following command in directory "$YRI–DB–RUNTIME–VERIF":

   ```
   ./yr_DB_RUNTIME_VERIF_INSTALL.SH
   ```

8 HOW TO START YRI-DB-RUNTIME-VERIF

- The "ELF-x64" binary executable, in the source development directory is located in full path: "$YRI-DB-RUNTIME-VERIF/bin".
- The DEBIAN–LINUX icon ( ) of YRI-DB-RUNTIME-VERIF is located in "Applications" menu under section "Programming", and section "Accessories".
- The "ELF-x64" binary executable, after installation of the DEBIAN–LINUX package 'yri-db-runtime-verif.deb' is located in full path: "/opt/yri-db-runtime-verif/bin".

Figure 11: **SAMPLE sql recovery state diagram model in YERITH_QVGE**



9 SQL QUERY Recovery execution on demand

A user can specify which SQL command query to execute whenever a System Under Test (SUT) lands in an accepting error state. This is done using keywords ending with "AUTO", used for meaning "AUTO RECOVERY FROM FAIL STATE":

1. `recovery_sql_query`
2. `END_STATE_AUTO`
3. `FINAL_STATE_AUTO`
4. `ERROR_STATE_AUTO`.

The use of an "AUTO" keyword shall be accompanied with a use of keyword `recovery_sql_query`, that specifies a SQL command query to run when landing in this fail error accepting state.

9.1 Automatic SQL Command Query Generation

YERITH_QVGE implements an automatic SQL query generation strategy in case a user don't specify a SQL command query, since it could be leaved empty: Subsections 9.1.1, 9.1.2, 9.1.3, and 9.1.4 describe the strategy implemented.

9.1.1 ERROR ACCEPTING STATE for sdmm 1.

$$\frac{\texttt{not in_before (YX, YY)} \quad \texttt{ACTION (V)}}{\texttt{in_after (DD, YR)}}$$

9.1.2 RECOVERY 1.

$$\frac{\texttt{in_after}\,(\texttt{DD, YR}) \quad \texttt{ACTION}\,(\texttt{RECOVERY_ND})}{\texttt{not in_after}\,(\texttt{DD, YR})}$$

9.1.3 RECOVERY 2 (Practical solution to be implemented in YRI-DB-RUNTIME-VERIF.

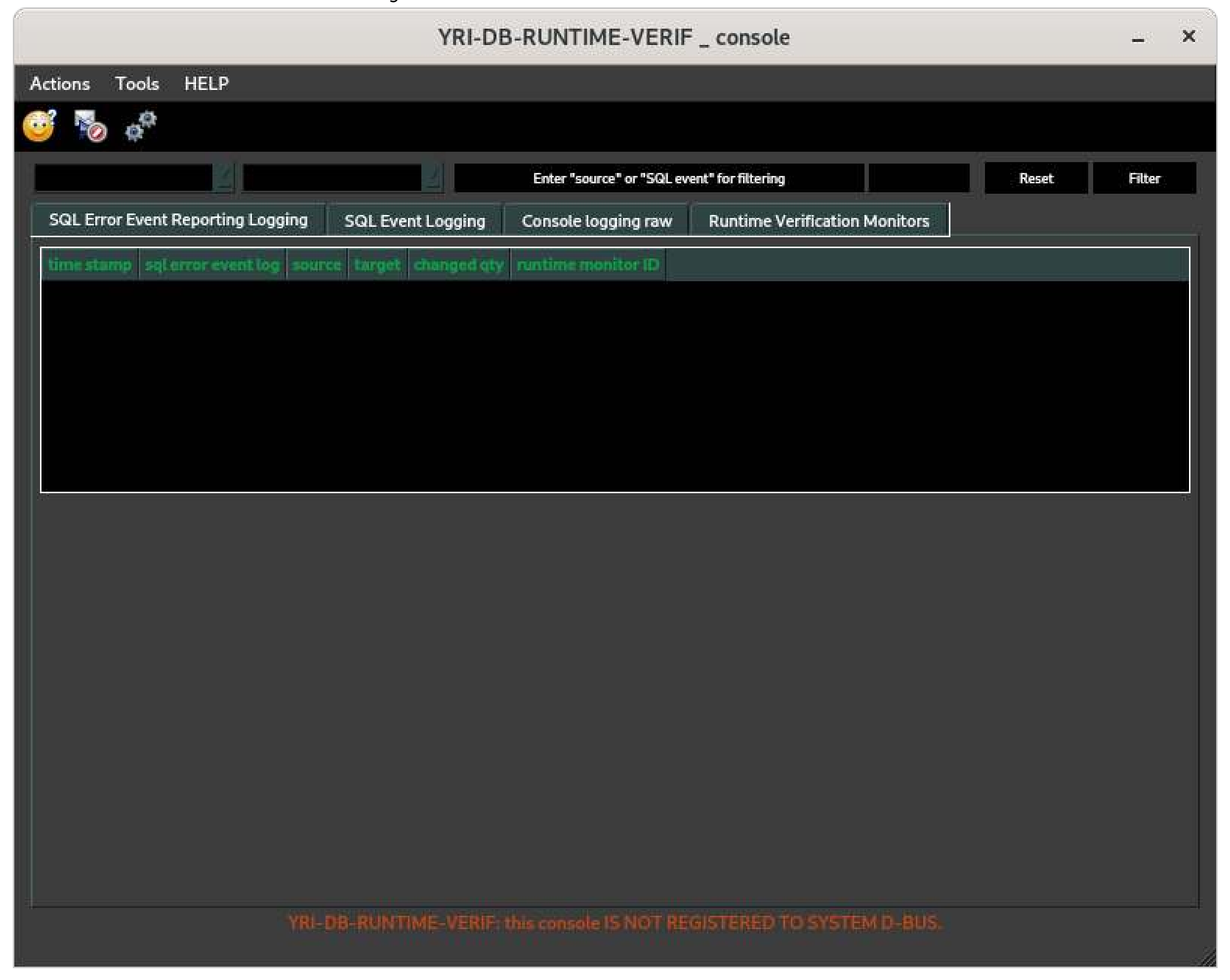
$$\frac{\texttt{in_after}\,(\texttt{DD, YR}) \quad \texttt{ACTION}\,(\texttt{RECOVERY_D})}{\texttt{in_after}\,(\texttt{YX, YY})}$$

9.1.4 Concrete RECOVERY 2 action.

$$\frac{\texttt{in_after}\,(\texttt{YX, YY}) \quad \texttt{insert_RECOVERY}\,(\texttt{YX, YY})}{\texttt{in_before}\,(\texttt{YX, YY})} \bullet$$

10 HOW TO USE a user interface

Figure 12: YERITH_QVGE user interface screenshot.



11 Formal Scientific and Engineering Project Description

Detailed formal scientific and engineering contributions of design and testing system YERITH_QVGE can be found in ***JOURNAL ARTICLE "Runtime Verification Of SQL Correctness Properties with YRI-DB-RUNTIME-VERIF"*** [Nou23].

12 Conclusion

The graphical drawing tool YERITH_QVGE (Figure 5) costs only 2, 500 EUROS. WE ONLY SUPPORT DEBIAN−LINUX (`https://www.debian.org`).

References

[Nou23] Xavier Noundou. A Framework for Verifying SQL Correctness Temporal Properties of GUI Software at Runtime. `https://zenodo.org/records/10976659`, October 2023.

Information Brochure of the Design and Testing System YERITH_QVGE (YRI_QVGE)

Xavier Noundou (Pr. Prof. Dr.–Ing.)
CONTACT: YERITH.XAVIER@gmail.com

Table 1: EQUIVALENCES

scientific literature	engineering acronym
PRE	BEFORE
POST	AFTER
A TRACE	AN EVENT LOG
A FINAL STATE	AN ERROR STATE

Figure 1: A motivating example, as previous bug found in YERITH–ERP–9.0.

$\underline{Q0}$:= NOT_IN_BEFORE(YRI_ASSET, department.department_name).
$\overline{Q1}$:= IN_AFTER(YRI_ASSET, stocks.department_name).

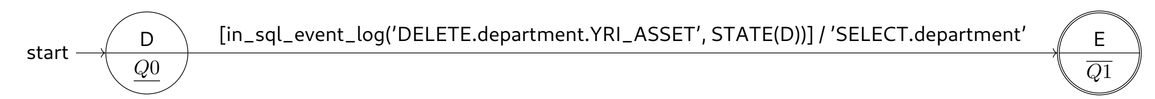


Figure 2: **A SAMPLE state diagram mealy machine file. KEYWORDS belonging both to 'engineering (ERROR_STATE)', and 'science (START_STATE)' can be intermingled in the same SDMM specification file.**

```
yr_sd_mealy_automaton_spec yr_missing_department_NO_DELETE
{
 START_STATE(d):NOT_IN_BEFORE(YRI_ASSET,department.department_name)
  ->[in_sql_event_log('DELETE.departement.YRI_ASSET',STATE(d))]/'SELECT.department'->
   ERROR_STATE(e):IN_AFTER(YRI_ASSET,stocks.department_name).
}
```

Figure 3: A SCREENSHOT OF YERITH_QVGE.

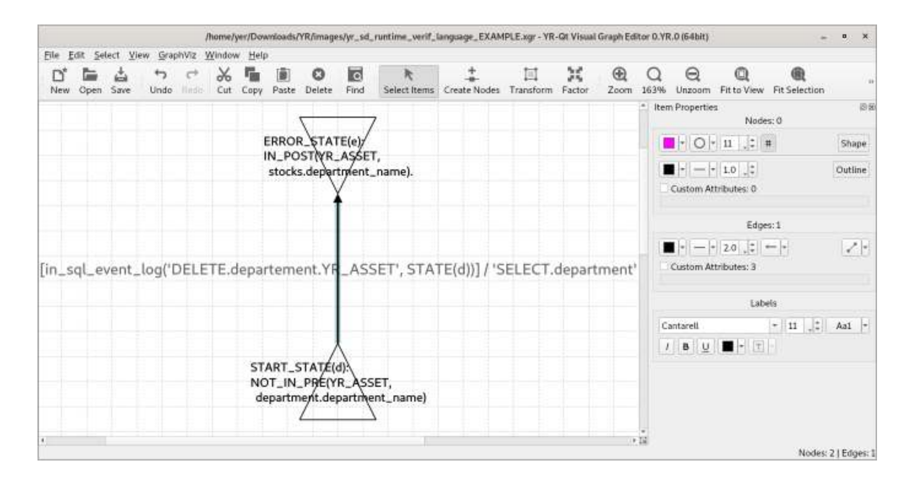
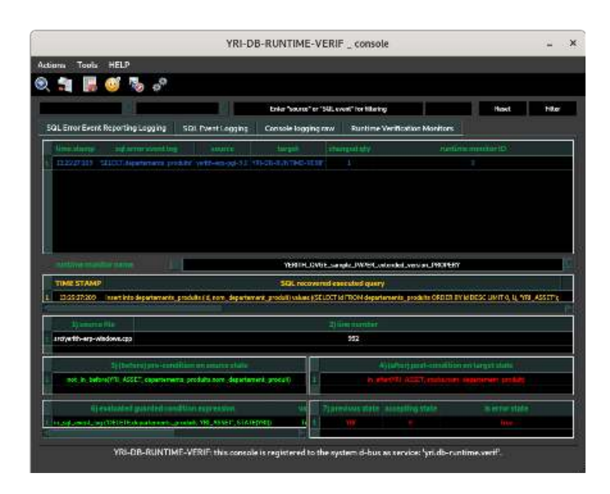


Figure 4: A SCREENSHOT OF YRI-DB-RUNTIME-VERIF SQL EVENT LOG.



1 Developer Biography

Xavier Noundou (Pr. Prof. Dr.–Ing.) is a CHRISTIAN BY FAITH, Cameroonian, born on September 16 1983 in DOUALA (LITTORAL region, CAMEROON). Xavier has a *"Diplom–Informatiker (Dipl.–Inf.)"* qualification from the **University of Bremen, Bremen, Bremen, GERMANY** (May 25, 2007). XAVIER NOUNDOU IS A *"**Dr.–Ing.** : **Doctor of Engineering (PhD equivalent – Computer Software Verification & Analysis)**"* from **THE UNIVERSITY OF WATERLOO (ON, CANADA); DECEMBER** 20, 2011 **!**

Xavier Noundou (Pr. Prof. Dr.–Ing.) has worked together with **Pr. Prof. Dr. habil. Jan Peleska**, at AGBS–University of Bremen, GERMANY; and 2 years later at WatForm–University of Waterloo, ON, Canada, with **Pr. Prof. Dr.–Ing. Patrick Lam**.

Xavier could successfully work with **Dr. Frank Tip** at The University of Waterloo (Waterloo, ON, Canada) on his first JAVA dynamic program analysis.

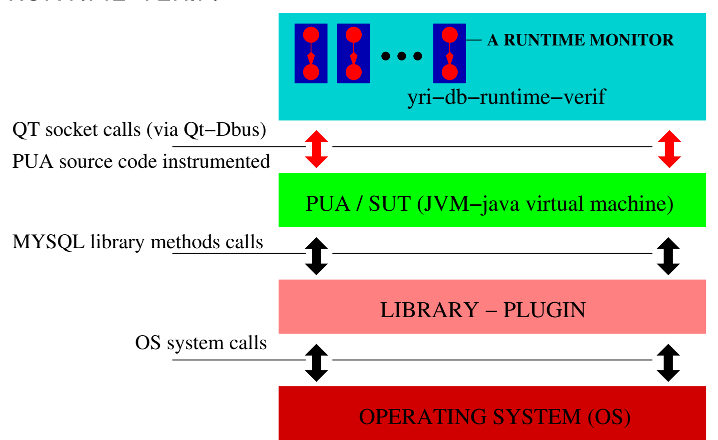
Xavier also had the great opportunity through **Pr. Prof. Dr.–Ing. Marcel Mitran** and **Pr. Prof. Dr.–Ing. Patrick Lam**; to work as a graduate intern in Markham (Toronto, ON, CANADA) at IBM TORONTO SOFTWARE LABORATORY; in the JAVA–J9 Just–In–Time Compiler Optimization Team, together with **Vijay Sundaresan, M.Sc. (McGill University, QC, Canada)**.

Xavier has following academic and professional engineering research contributions:

1. 'Statistical test case generation for reactive systems' at RTT-MBT at VERIFIED SYSTEMS INTERNATIONAL GmbH (https://www.verified.de).
2. 'Context-Sensitive Staged Static Taint Analysis For C using LLVM':
   1. source code in C++:
      `https://github.com/sazzad114/saint`
   2. full text:
      `https://zenodo.org/record/8051293`
3. 'YERITH-ERP-3.0':
   1. source code in C++:
      a. YERITH–ERP–3.0:
         `https://github.com/yerithd/yerith-erp-9-0-FOSS`
      b. YERITH–ERP–3.0 SYSTEM DAEMON:
         `https://github.com/yerithd/yerith-erp-9-0-system-daemon`
   2. full text (ongoing publication):
      `https://zenodo.org/record/8052724`

2 Introduction

Figure 5: SOFTWARE ARCHITECTURE OF YRI-DB-RUNTIME-VERIF.



YERITH_QVGE is a CASE (Computer-Aided Software Engineering) design tool to generate "domain-specific language (DSL) YRI_SD_RUNTIME_VERIF_LANG [1]" files, to be inputted into the "compiler YRI_SD_RUNTIME_VERIF_LANG_COMP", so to generate C++ files for the runtime verifier tester "YRI-DB-RUNTIME-VERIF [2]" that allows for manual verification of SQL correctness properties of Graphical User Interface (GUI) software.

YRI-DB-RUNTIME-VERIF inputs SQL correctness properties expressed using the formalism state diagram mealy machine (YRI_SD_RUNTIME_VERIF_LANG). Figure 5 illustrates a software system architecture of YRI-DB-RUNTIME-VERIF, together with the monitored program under analysis. The Free Open Source Code Software (FOSS) tool-chain of development testing is located as follows for free, EXCEPT for "YERITH_QVGE " that is a Closed Source Code Software (CSCS):

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- RUNTIME VERIFIER TESTER (i.e.: YRI-DB-RUNTIME-VERIF): `https://github.com/yerithd/yri-db-runtime-verif`

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- state diagram mealy machine UNIT TESTS CODE (i.e.: YRI_SD_RUNTIME_VERIF_UNIT_TESTS): https://github.com/yerithd/yri_sd_runtime_verif_UNIT_TESTS
- state diagram mealy machine (i.e.: YRI_SD_RUNTIME_VERIF_LANG): https://github.com/yerithd/yri_sd_runtime_verif

3 YERITH_QVGE (YRI_QVGE) Project Dependency

Table 2: YERITH_QVGE Design and Testing System Dependencies

PROJECT	Required Library
1) YRI_SD_RUNTIME_VERIF_LANG	
2) YRI_SD_RUNTIME_VERIF_LANG_COMP	1)
3) YRI_SD_RUNTIME_VERIF_UNIT_TESTS	1)
4) YRI-DB-RUNTIME-VERIF	2)

Table 2 illustrates for each library project, which others it depends on.

Figure 6: YERITH_QVGE software library dependencies.

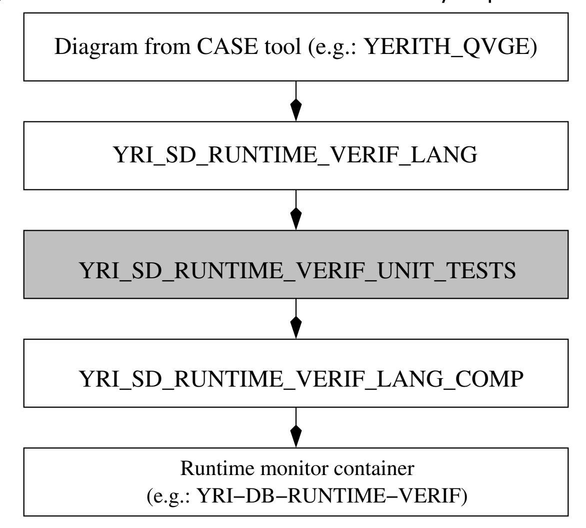


Figure 6 show a diagram overview of the presentation in Table 2. The step of the unit tests is colored in gray because it is only for developers of YERITH_QVGE intended.

4 Potential Uses of YERITH_QVGE

YERITH_QVGE (YRI_QVGE) could be used for the following automatic generation, analysis, verification, and validation tasks:

1. Automatic generation of runtime monitoring module program to prove whether a test procedure, automated, or not, is correct with regards to a test and / or design STATE DIAGRAM MEALY MACHINE.

   In effect, let the test execution be runtime monitored to watch whether accepting error states would be found.

   For instance, Junit testing environment could automatically integrate an automatically generated runtime monitor infrastructure for unit testing.

2. Automatic generation of runtime monitoring module program for any software that can emit DBus messages.

   Such runtime monitoring modules are for interest for special LTL model checking properties that cannot get a definite answer through use of a conventional model checker.

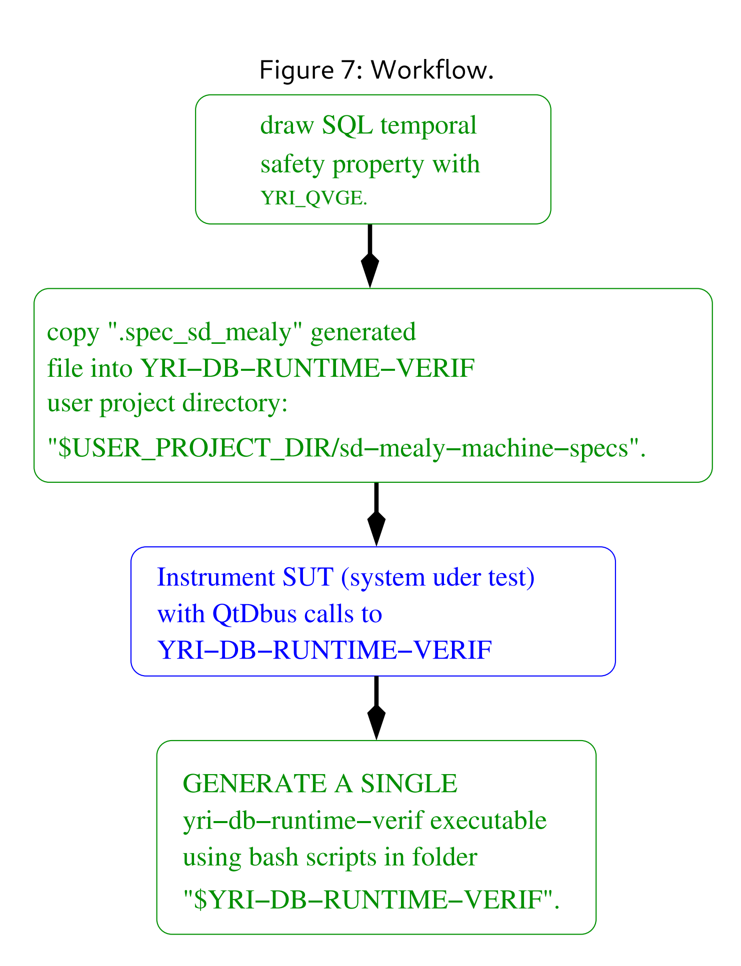
3. Software design properties with SQL

4. Software design properties including event sequences over different layers of software system architecture

5. Class diagram with sequence diagram.

5 Advantages of YERITH_QVGE

Figure 7: Workflow.



A sample state diagram mealy machine is shown in Figure 2.

WITH manual drawing of SQL CORRECTNESS PROPERTY MODEL, you are freed from manually writing "state diagram mealy machine text files" that could be tedious and lengthy. Also, editing state diagram mealy machine files manually could be more error-prone than letting a compiler (YRI_SD_RUNTIME_VERIF_LANG_COMP) do it for you.

6 Conclusion

YERITH_QVGE costs only 2,500 EUROS. WE ONLY SUPPORT DEBIAN–LINUX (https://www.debian.org).

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YERITH–ERP–9.0
SOFTWARE SYSTEM ARCHITECTURE

"Xavier Noundou (Pr. Prof. Dr.–Ing.)"

This document describes the thick client software system architecture of YERITH–ERP–9.0. This document also explains the reasons for which we chose to design and implement YERITH–ERP–9.0 as a thick client software system, as opposed to currently more popular webbrowser based software system.

This document further demonstrates the superiority, in terms of simplicity, speed, maintenance, and low costs of development of thick client software system architectures over webbrowser based software system architectures !

1. YERITH–ERP–9.0, source code (no executable binary):
   https://github.com/yerithd/yerith-erp-9-0
2. YERITH–ERP–9.0–SYSTEM–DAEMON, source code (no executable binary):
   https://github.com/yerithd/yerith-erp-9-0-system-daemon
3. YR–DB–RUNTIME–VERIF:
   https://github.com/yerithd/yr-db-runtime-verif
4. YR_SD_RUNTIME_VERIF:
   https://github.com/yerithd/yr_sd_runtime_verif

Version: November 7, 2024.

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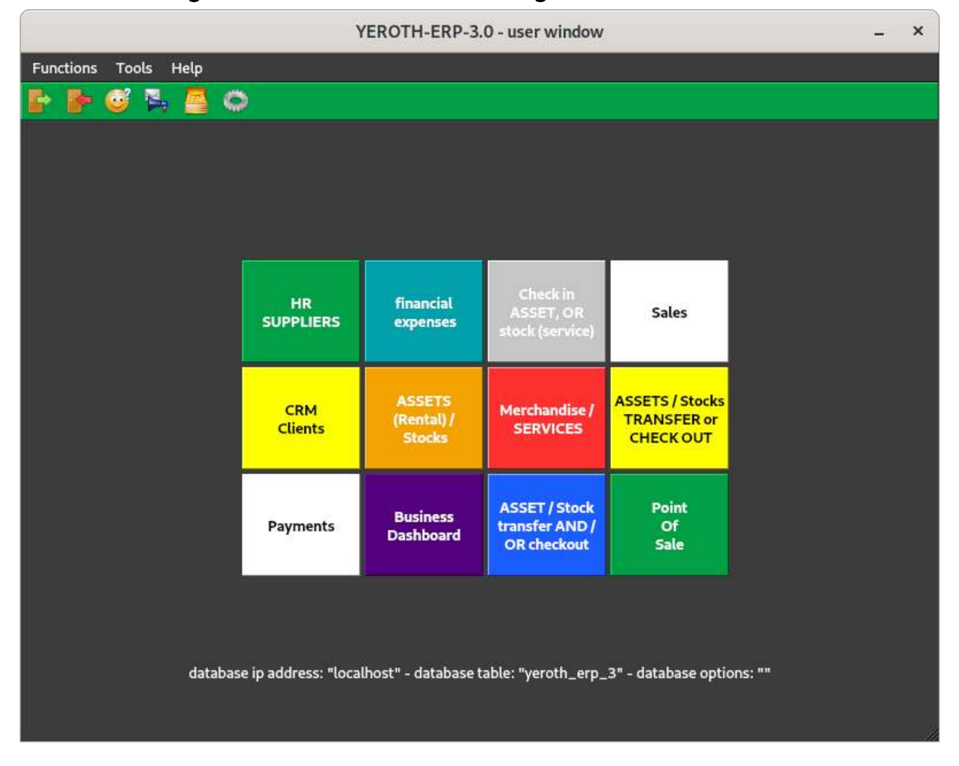
Chapter 1

Introduction

This introduction motivates why I created YERITH−ERP−9.0, and why it uses the best software programming language AND METHODOLOGY (OOP: OBJECT–ORIENTED PROGRAMMING) of its time !

1.1 Motivation

Figure 1.1: Business manager's main window



YERITH−ERP−9.0 [NOU22, NOU21a, NOU21b] is an **Enterprise Resource Planing (ERP)** software system that aims 'effectiveness' and 'simplicity', compared to other high ranked ERP software systems (e.g.: 'Sage Gescom i7', 'SAP Business One', 'Odoo', etc.).

YERITH−ERP−9.0 is implemented by me with THE USER INTERFACE LIBRARY QT [Ltd22]. Our goal when designing and implementing this ERP software system is morefolds:

1) RENDER ENTERPRISE RESOURCE PLANING (ERP) SOFTWARE SYSTEM USAGE AND MANIPULATION AS EASY AS READING A LEISURE OR RECREATIONAL BOOK SO TO REDUCE USER STRAIN SIZE !

2) CONTRIBUTE TO REDUCE POVERTY BY IMPROVING SOFTWARE SYSTEM TECHNOLOGY FOR ENTERPRISE RESOURCE PLANING (ERP).

1.1.1 Application Domain

YERITH−ERP−9.0 can be used by any managerial organization, WHETHER governmental, OR NON GOVERNMENTAL (N.G.O) !

YERITH−ERP−9.0 is aimed at being simpler in usage and manipulation than older top ranked ERP software systems (e.g.: 'Sage Gescom i7', 'SAP Business One', Odoo, etc.) !

A DETAILED COMPARISON OF OCCURS IN PAPER [NOU21a]!

Applications domains of YERITH−ERP−9.0 are for instance:

1. engineering offices;
2. insurance companies;
3. attorney offices;
4. etc.

1.1.2 Implementation Technology

Table 1.1: COMPARISON TABLE BETWEEN C++ [Ste90], JAVASCRIPT [Fla20], AND JAVA [AGH00]. JAVASCRIPT and JAVA only have virtual machines that are in FACT REACTIVE SYSTEMS !

FEATURES	C++	Javascript	Java
1. PROGRAMMING LANGUAGE PHILOSOPHY	object−oriented	object−oriented	object−oriented
2. MACROS	√	√	
3. MULTIPLE INHERITANCE	√		
4. support INTERFACES	√	√	√
5. STATIC COMPILATION	√		
6. VM [1] INTERPRETATION AND MANAGEMENT		√	√
7. UNIT TESTING FRAMEWORK	√	√	√
8. NETWORK CAPABLE	√	√	√
9. CROSS PLATFORM PORTABLE	√	√	√
10. include FILE LIBRARY CAPABILITY	√		
11. MULTI THREADING	√		√
12. WYSIWYG GUI DESIGN TOOL	√		√
13. VIRTUAL MACHINE IS A REACTIVE SYSTEM		√	√

We chose to design and implement YERITH−ERP−9.0 as a thick client software system because of the following reasons:

1. The implementation language C++ offers much flexibility:

1. *MULTIPLE INHERITANCE:*

   It allows developers to abstract as much as possible business code upwards, away from downwards implementation classes. For instance, in YERITH−ERP−9.0, GUI Qt windows inherits for instance *search filtering feature, and print capability from* 2 *different classes.*

   Print capability** couldn't be inherited from the same class where search filtering is abstracted and partially implemented (interface in* `JAVA` *for instance doesn't allow any method body code), because it works in its pure abstract class (*`C++` *class with at least* 1 *empty method body), together with feature* ***database column filtering for viewing and printing.

   The drawback of the multiple inheritance in `C++` *is: it sometimes can be very difficult to build it using "*`gcc (g++)` *[GCC]" !*

2. *MACROS:*

   They enable developers to create TEXT TEMPLATE in their code.

   For instance, I use macros in some parts of my code to reduce execution time and stack activation records size for method or function calls in YERITH−ERP−9.0 !

2. The availability of `'WHAT YOU SEE IS WHAT YOU GET'` (WYSIWYG) tools for fast and useful user interface design (e.g.: `Qt designer` [Com20], `miniStudio (vxWorks)` [WEI20], etc.)
3. The low number of logical software system architecture layer (i.e.: 2.) involved with the use of a thick client software system architecture, as opposed to a webbrowser based software system (i.e.: 4, *client user interface*, *presentation layer*, *business logic*, and *data (DBMS)*).

FURTHERMORE, TABLE 1.1 ILLUSTRATES A FEATURE COMPARISON TABLE BETWEEN object oriented languages `C++`, `JAVASCRIPT`, and `JAVA`!

1.1.3 Software System Current Metrics

Table 1.2: YERITH−ERP−9.0 RELEVANT SOFTWARE SYSTEM METRICS

Software System Metric	Value
User Interface (windows, dialog) number	60
MariaDB SQL table number	39
MariaDB SQL table column number	320
Latex template for PDF printing	75
Source lines of code (SLOC)	330, 000

1.2 Overview

This pamphlet is structured as follows:

1. Chapter 1 motivates why I created YERITH−ERP−9.0, and why it uses the best software programming language AND METHODOLOGY (OOP: OBJECT−ORIENTED PROGRAMMING) of its time !
2. Chapter 2 tabular evaluates why thick client are BETTER THAN webbrowser based software system architectures !
3. Chapter 3 explains why YERITH−ERP−9.0 is modular in its uses, and fits any industrial setting.
4. Chapter 4 explains why YERITH−ERP−9.0 uses the BEST SOFTWARE TECHNOLOGY IN TERMS OF SOFTWARE SYSTEM ARCHITECTURE !

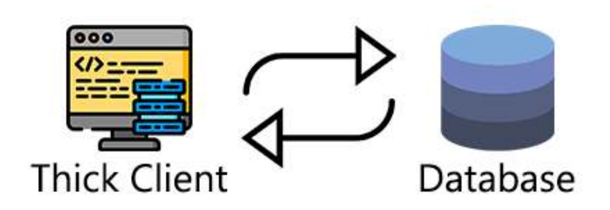
Chapter 2

Thick Client VS. Webbrowser based Software System Architecture

This comparison chapter tabular evaluates why thick client are BETTER THAN webbrowser based software system architectures !

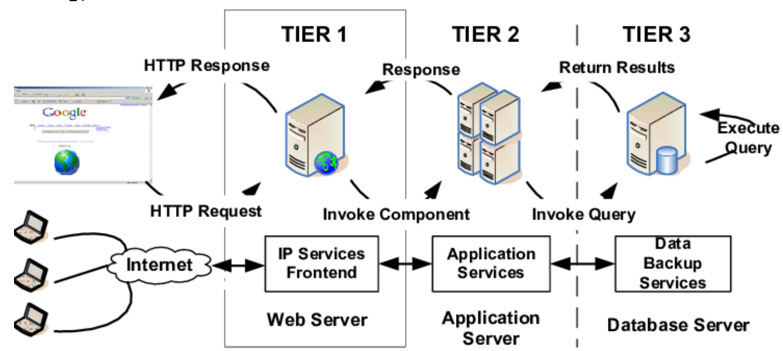
2.1 Thick client: 2 layers logical software architecture

Figure 2.1: 2 layers logical architecture of thick client software system (Image copied from [sec20]).



2.2 Webbrowser based: at least 4 layers logical software architecture

Figure 2.2: 4 layers logical architecture of webbrowser based software system (Image copied from [KM06]).



2.3 Tabular Comparison Between Thick-Client And Web-browser based Architecture

Table 2.1: Thick client application VS Webbrowser based application.

	Thick client application ✓	Webbrowser based application
business code	user interface	application server
co−related software systems	1 (DBMS)	at least 3 (DBMS, web / application server)
number of logical layers	2 (client and data)	4 (client, presentation, logic, and data)
rapid prototyping (WYSIWYG tools)	yes	very limited
software security vulnerability	low (1 programming language)	VERY high (*several* programming languages)
user interface	all computers (GUI with *BUSINESS CODE*)	all computers (web−browser)

Table 2.1 compares thick client software systems against webbrowser based software systems.

Table 2.1 ALSO ILLUSTRATES ADVANTAGES of thick client software system architecture over webbrowser based software system architecture !

The common argument for webbrowser based software system architecture is you update the business code just at 1 place: *the application server* !

I argue that thick client architecture IS JUST AS WELL BEST UPDATED AT 1 PLACE: *the user's computer*.

FOR INSTANCE, UPDATE OR UPGRADE OF ENTERPRISE SOFTWARE SYSTEM WEBBROWSER BASED REQUIRES ALMOST AT LEAST 1 24 HOURS SHUTDOWN OF ALL INVOLVED WEB (apache tomcat, etc.) APPLICATIONS SERVERS.

The issue of automatic software upgrade in a computer network is best solved by the 'apt upgrade software system of `Debian-Linux`', as an example !

Chapter 3

The Thick Client Software System Architecture of YERITH−ERP−9.0

This chapter explains why YERITH−ERP−9.0 is modular in its uses, and fits any industrial setting !

Table 3.1: Thick client application VS Webbrowser based application.

	Thick client application ✓	Webbrowser based application
business code	user interface	application server
co−related software systems	1 (DBMS)	at least 3 (DBMS, web / application server)
number of logical layers	2 (client and data)	4 (client, presentation, logic, and data)
rapid prototyping (WYSIWYG tools)	yes	very limited
software security vulnerability	low (1 programming language)	high (*several* programming languages)
user interface	all computers (GUI with *BUSINESS CODE*)	all computers (web−browser)

3.1 Business and user interface code deployment

Table 3.1 depicts the issue of business and user interface code deployment on all computers participating in the functioning of YERITH−ERP−9.0, as a software system for a user.

We tackle the problem of automatic deployment of business and user interface code on all user computers by using the 'apt upgrade' software system on 'Debian-Linux [DEB22]'.

3.2 Databases

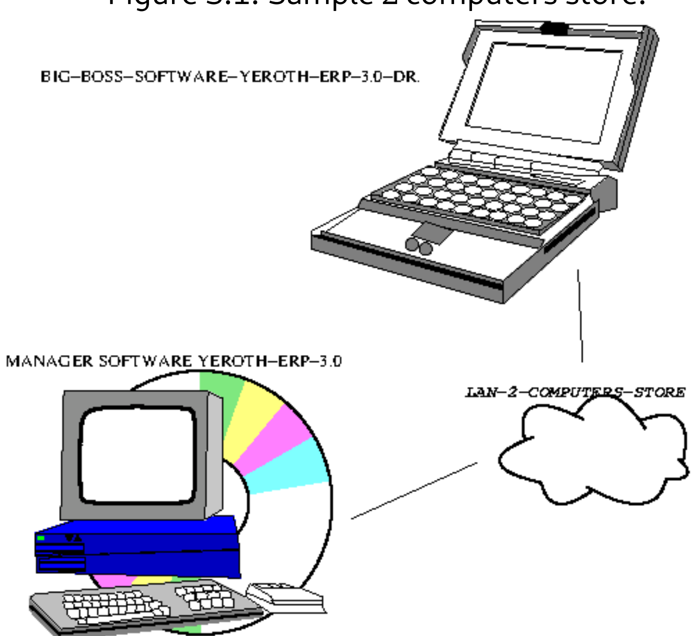
DBMS MySQL [Mar22] is used for storing and managing huge data across globe.

3.3 NUMBER OF LOGICAL SOFTWARE SYSTEM LAYERS: E.G. Sample technical configurations

This section illustrates 2 different possible computer network configurations that could prevail in industry.

3.3.1 Sample 2 computers store

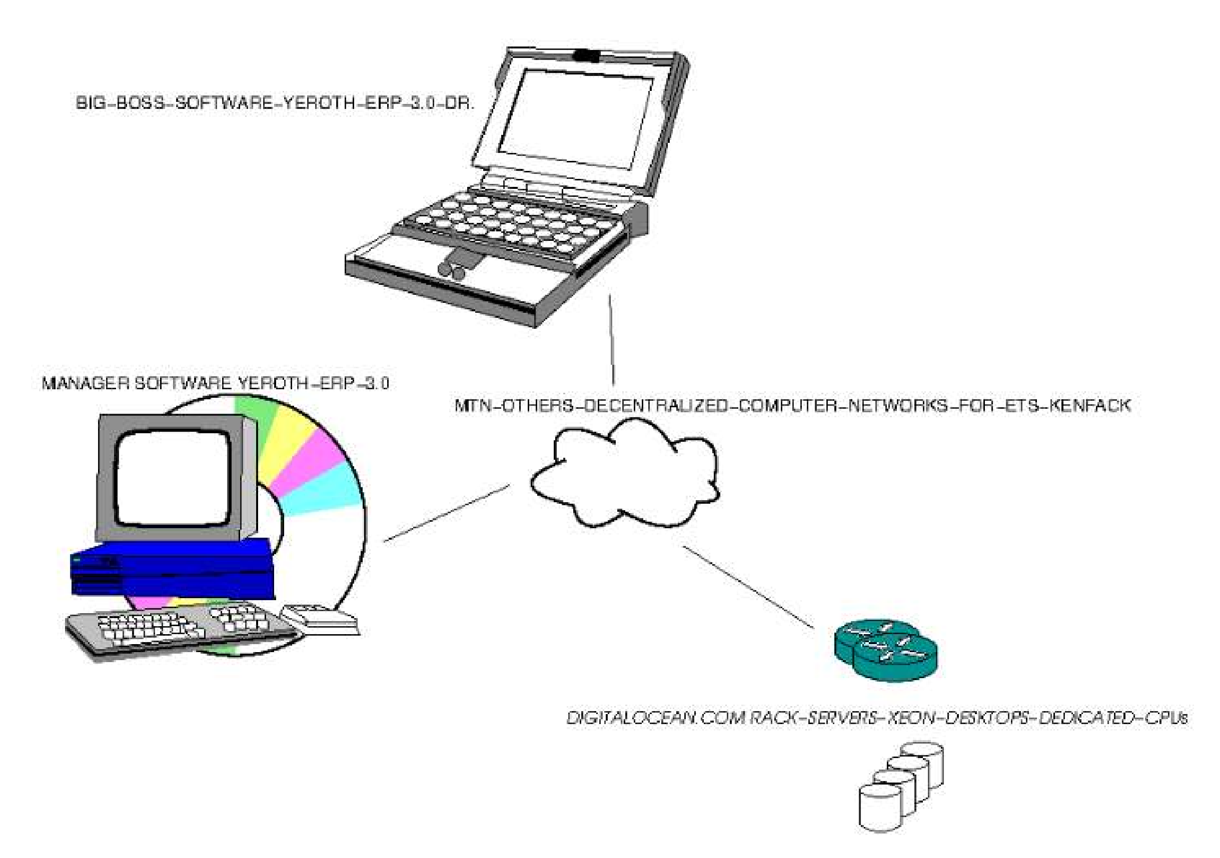
Figure 3.1: Sample 2 computers store.



3.3.2 Sample decentralized multi sites supermarket



Figure 3.2: Sample decentralized multi sites supermarket.



Chapter 4

Conclusion

This conclusion explains why YERITH−ERP−9.0 uses the BEST SOFTWARE TECHNOLOGY IN TERMS OF SOFTWARE SYSTEM ARCHITECTURE !

Table 4.1: YERITH−ERP−9.0 VS. Odoo.

	YERITH−ERP−9.0	Odoo
libraries & programs	lxqt-sudo, etc.	python-lxml, etc.
user interface code TOOLS WYSIWYG	QT−DESIGNER	(CUSTOM BUILD) FRAMEWORKS
business code	C++	Python, JavaScript
Database Management Server (DBMS)	MySQL	PostgreSQL
web server		Werkzeug

YERITH−ERP−9.0 has a thick client software system architecture because we found thick client software system architectures simpler than webbrowser based software system architectures.

Thick client software system architectures is simpler because it requires less layers in its logical (or physical) software system architecture, and is easier to develop and maintain as a software system application.

Table 2.1 illustrates a thick client software system is SUPERIOR IN TERMS OF TOOLS FOR MAINTENANCE AND DEVELOPMENT than a webbrowser based software system !

A webbrowser based software system architecture has more drawbacks as follows:

1. it requires at least 2 other software systems, *apart from the ones normally required by developed software system itself, for instance libraries (e.g.:* Log4j*)*, to fully operate (e.g.: web server, application server, etc.).

   Table 4.1 depicts this situation in the light of the open source ERP software system Odoo.

   Accordingly, a thick client software system doesn't require any running and managing infrastructure such as for example an application server !

2. A webbrowser based software system requires at least 4 layers in its logical system architecture (e.g.: client, presentation, logic, and data layers).

   Accordingly, a thick client software system only requires at least 2 layers !

3. A webbrowser based software system potentially entails more software security vulnerabilities because its implementation requires the use of at least 2 different programming languages, and frameworks in combination.

   Accordingly, a thick client software system needs only the use of 1 homogeneous software programming language !

Chapter 5

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Appendix A

Presentation Documents of open source software system YERITH–ERP–9.0

YERITH r&d | YERITH−ERP−9.0 software system product sheet

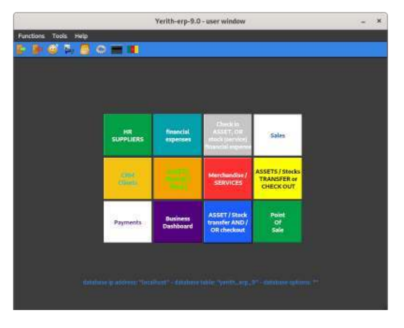
YERITH−ERP−9.0 Software System Product Sheet

YERITH−ERP−9.0 is an **ERP software system** with 6 **user roles, and types**:
1. « Administrator »
2. « Business manager »
3. « Cashier »
4. « Seller »
5. « ASSET – stock manager »
6. « Storekeeper ».

YERITH−ERP−9.0 **features**:
1. alerts over stock quantity, and, time period
2. business dashboard
3. HR (human resources), customer relationship management (CRM), budget line management
4. sale management (e.g. point of sale)
5. ASSET – stock management (e.g. check in)
6. user, and role administration
7. wildchar searches with character %.

YERITH−ERP−9.0 **is**:
1. easier, and, intuitiver, in its use
2. lighter, and, faster, in memory usage
3. multi sites.

YERITH−ERP−9.0's runtime memory usage test is realized using run−time software analysis tool **valgrind**.
GENERAL SOURCE CODE QUALITY CONTROL is realized with compile−time code analysis tool **Cppcheck**.


Business manager's main window


Cashier's main window

OPERATIONS

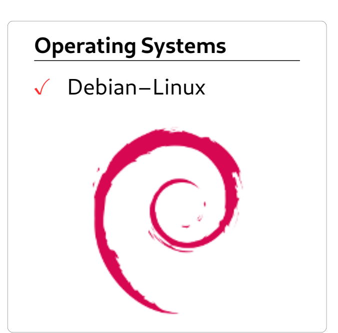
Point of Sale Hardware
- ✓ Barcode scanner
- ✓ Thermal printer, etc.



Database Management Systems
- ✓ MySQL



Operating Systems
- ✓ Debian−Linux



Author: "Pr. Prof. Dr.−Ing. Xavier Noundou" Version of – August 20, 2024 –

Advantages of YERITH−ERP−9.0 Compared to other top ERP Software Systems

YERITH−ERP−9.0 is a very easy to use ERP (Enterprise Resource Planing) software system because of its characteristics:

1. separate views for each user role
2. complete and fundamental training in 8 days
3. easy to use graphical user interface (GUI)
4. no college or university training needed
5. no formal business training needed
6. no financial accounting training needed
7. no internet connection needed.



Stock listing window

Table 1 pictures the 'effectiveness' and 'simplicity' of YERITH−ERP−9.0, compared to other top ERP software systems "Sage Gescom i7", and "SAP Business One".

	YERITH−ERP−9.0	Sage Gescom i7	SAP Business One
separate views per user role	YES	YES	YES
complete training (or solution)	at least 4 weeks	at least 2 months	at least 3 months
difficulty in navigation	easy	very difficult	very difficult
usage language in software	easy everyday English	simple	technical
financial accounting knowledge	no	no	useful
advanced marketing knowledge	no	useful	useful
internet connection	optional	optional	optional

Table 1: Comparison between YERITH−ERP−9.0 and 2 top tier−1 full featured ERP software systems

OPERATIONS

Point of Sale Hardware

✓ Barcode scanner
✓ Thermal printer, etc.



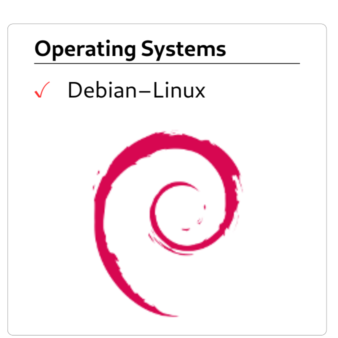
Database Management Systems

✓ MySQL



Operating Systems

✓ Debian−Linux



YERITH r&d | YERITH−ERP−9.0 point of sale recommended hardware

YERITH−ERP−9.0 Point Of Sale Recommended Hardware

1 Barcode Scanner

We recommend, but not exclusively, the use of barcode scanner: **" Xfox FJ−5 USB Plug and Play Automatic Barcode Scanner "** (approx. 17 €).



Bar-code Scanner

2 Thermal Printer

ALL EPSON THERMAL PRINTERS !

We recommend, but not exclusively, the use of thermal printer: **" Epson TM T20ii Point of Sale Thermal Printer "** (approx. 100 €).



Thermal Printer

3 Cash Drawer

We recommend, but not exclusively, the use of cash drawer: **" HP QT457AT "** (approx. 90 €).



Cash Drawer

4 Touch Screen Monitor

We recommend, but not exclusively, the use of touch screen monitor: **" ASUS 15.6" LCD Monitor (VT168H) "** (approx. 155 €).



Touchscreen Monitor

5 Computer

We recommend, but not exclusively, the use of desktop computer: **" Lenovo Thinkcentre M720 Small Form Factor (SFF) "** (approx. 450 €).



Computer

6 Multi User Terminal Computer

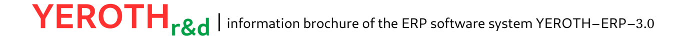
We recommend, but not exclusively, the use of multi user terminal computer: **" NC−300 Multi User Terminal Computer"** (approx. 112 €).



Multi User Terminal Computer

√ *PECULIARITIES IN CERTAIN COUNTRIES AND/OR REGIONS* **USAGE OF POINT−OF−SALE (THERMAL) PRINTERS REQUIRES ALSO ACQUISITION OF A GOVERNMENT−SOLD DEVICE FOR RECORDING AND CERTIFYING ALL FINANCIAL TRANSACTIONS BETWEEN THE THERMAL PRINTERS AND/OR YERITH−ERP−9.0 (e.g.: GERMANY, CANADA, etc.).**

Author: Pr. Prof. Dr.−Ing. Xavier Noundou *Version of – October 16, 2024 –*



Information Brochure of the ERP software system YEROTH−ERP−3.0

Dr.−Ing. Xavier Noumbissi Noundou

Tasks	« Business manager »	« Seller »	« ASSET – stock manager »	« Storekeeper »	« Cashier »
create a department	✓				
insert 1 ASSET, stock, or service	✓	✓ (SERVICE)	✓ (ASSET / STOCK)		
delete ASSET, stock	✓				
view ASSET, stock	✓	✓	✓	✓	✓
modify ASSET, stock	✓		✓		
transfer ASSET, stock	✓		✓	✓	
check−out ASSET, stock	✓		✓	✓	
modify ASSET, stock management strategy (e.g.: « FIFO », etc.)	✓	✓ (NO PERMANENT)	✓ (NO PERMANENT)		
point of sale	✓	✓			✓
view ASSET, stock transfers	✓		✓	✓	
purchase management	✓	✓	✓ (PARTIAL)		
supplier management	✓	✓			
customer relationship management (CRM)	✓	✓ (PARTIAL)			
business dashboard	✓				
sale return	✓				
view sales information	✓	✓ (SELF)			

Table 1: YEROTH−ERP−3.0 functions−tasks, and associated users−roles.

1 Developer Biography



Figure 1: Portrait of Dr.−Ing. XAVIER.

Dr.−Ing. Xavier Noumbissi Noundou is a CHRISTIAN BY FAITH, Cameroonian, born on September 16 1983 in DOUALA (LITTORAL region, CAMEROON).

Xavier has a *"Diplom−Informatiker (Dipl.−Inf.)"* qualification from the **University of Bremen, Bremen, Bremen, GERMANY** (May 25, 2007).

XAVIER NOUMBISSI NOUNDOU IS A PHILOSOPHIAE DOCTOR ABD (PH.D. ABD) from **THE UNIVERSITY OF WATERLOO (ON, CANADA); DECEMBER** 20, 2011 **!**

Xavier has following academic research and professional engineering contributions:

1. 'Context-Sensitive Staged Static Taint Analysis For C using LLVM'
   1. source code in C++: http://github.com/sazzad114/saint
   2. full text: http://archive.org/download/yeroth-saint-2021-MARCH-01/YEROTH-SAINT-2021-MARCH-01.pdf
2. 'YEROTH-ERP-3.0':
   1. source code in C++:
      a. YEROTH−ERP−3.0: http://drive.google.com/file/d/1-JJke2Oaa_fuIj3twWsBkj3-KRxgZL4q/view?usp=share_link
      b. YEROTH−ERP−3.0 SYSTEM DAEMON: http://drive.google.com/file/d/1ikn5_1KvWPkFDOVxA8eGvk-kuI08L-_T/view?usp=share_link
   2. full text (ongoing publication): http://archive.org/download/yeroth-erp-pgi-compendium_202206/YEROTH_ERP_PGI_COMPENDIUM.pdf .

2 Introduction

YEROTH−ERP−3.0 is an **Enterprise Resource Planing** (ERP) software system.

Users of YEROTH−ERP−3.0 could have the following roles:

1. « Administrator »
2. « Business manager »
3. « Cashier »
4. « Seller »
5. « ASSET – stock manager »
6. « Storekeeper ».

YEROTH−ERP−3.0 allows for business management tasks (listed in Table 1), depending on user role, as follows:

1. create a department (e.g.: finance, asset, stock, etc.)
2. manage clients, and human resources, and suppliers
3. manage enterprise asset (e.g.: cars, etc.)
4. manage financial expenses
5. manage inventory stock
6. manage sales
7. view business dashboards (across sites).

3 Potential Usages of YEROTH−ERP−3.0

YEROTH−ERP−3.0 potential usages are:

1. STOCK AND TRADE EXCHANGES MARKET PLACE
2. ENTERPRISE RESOURCE AND PLANING SOFTWARE for supermarkets and commercial stores
3. i.e. ANY NON GOVERNMENTAL ORGANIZATION, or GOVERNMENTAL ORGANIZATION.

4 Advantages of YEROTH−ERP−3.0

1. YEROTH−ERP−3.0 is 100% stable
2. YEROTH−ERP−3.0 has an alert system with two types of alerts: alerts based on stock−quantity, and time−period alerts
3. users have the choice between small size receipts, and, bigger size receipts ("A4")
4. YEROTH−ERP−3.0 runs on the Linux operating system, because Linux is stable, performant, and less vulnerable to security breaches in comparison to other operating systems ('Windows 10')
5. YEROTH−ERP−3.0 has an user interface "Sales" to view sale information (Figure 2), and thus enables users to make managerial decisions
6. YEROTH−ERP−3.0 has an interface "Business dashboard" that generates financial accounting reports, from sale and payment information, to help managers to make "business decisions".

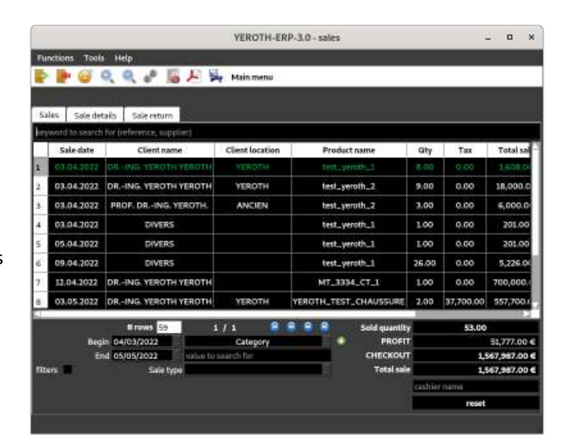


Figure 2: Sale−information window.

5 Alert System

Users with roles « Administrator » or « Business manager » are the ones able to create alerts.

YEROTH−ERP−3.0 allows its users to create two types of alerts:

1. alerts over stocks−quantities
2. alerts over time intervals (this helps for perissable articles and for sales discounts over a period of time).

5.1 Alerts over Stock−Quantity

An alert aver a stock−quantity is a message that is sent to a pre−determined user whenever "pre−determined" stock−quantity (X) of a specific article−stock is reached.

For instance, Xavier (« Business manager ») could create an alert for stock "mango" that will be trigerred whenever stock "mango" quantity reaches 100; An alert−message is sent to user John (« Storekeeper »).

5.2 Alerts over Time−Period

A time−period is defined by a starting−date and an ending−date (dates are from the "gregorian" calendar).

An alert aver a time−period (T) is a message that is generated, sent to a pre−determined user, and kept within YEROTH−ERP−3.0 from T's starting−date up to T's ending−date.

For example, an alert with a message has to be sent to Paul (« Cashier ») when the date of May 05th is reached. The alert message specifies that a rebate of 20% has to be applied on every sale of yoghourt 'trèsbon' during a time interval of 2 weeks.

6 Database Management System

YEROTH−ERP−3.0 uses 'MariaDB' as the standard DBMS. 'MariaDB' is very stable, very performant, and free−software.

7 Conclusion



Figure 3: Point−of−sale window.

Figure 3 illustrates the window for selling articles.

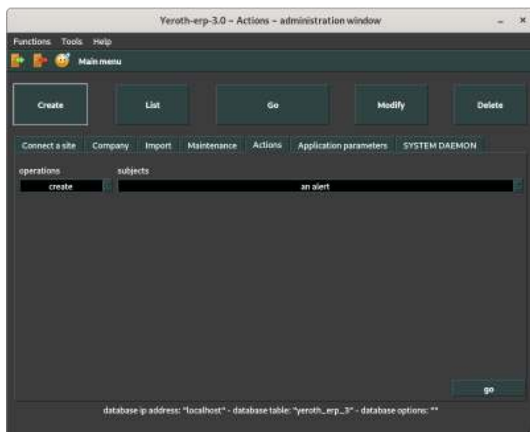


Figure 4: Administrative window for business manager.

Figure 4 illustrates the administrative window for business managers.

YERITH–ERP–PGI–9.0 : Configuration MULTI–SITES (SUCCURSALES)

"Pr. Dr. Xavier Noundou"

CE LIVRET EXPLICITE COMMENT RÉ–UTILISER YERITH–PGI–ERP–9.0 AVEC DES SITES (SUCCURSALES).

VERSION : 14 juin 2024

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Chapitre 1

INTRODUCTION

LE PROGICIEL DE GESTION INTÉGRÉ YERITH−PGI−9.0 [NOU22, NOU23a, NOU23b] permet à ses utilisateurs la réutilisation de la fonctionnalité "multi-sites (succursales)"! La fonctionnalité "multi-sites (succursales)" permet à 1 organisation de contrôler ses activités décentralisées de façon centralisée à l'aide de YERITH−PGI−9.0. Les opérations des succursales (ou encore d'1 filiale) sont répertoriées dans la base de données (MySQL) à l'aide de la colonne '**localisation**'. '**La colonne localisation**' de la base de données "yeroth_erp_9" ***CORRESPOND À*** :

1. Localisation (INSTALLATION EN FRANÇAIS)
2. Site (EN ANGLAIS)

dans les interfaces graphiques (GUI) de YERITH−PGI−ERP−9.0.

1.1 Définitions

1.1.1 Filiale (DICTIONNAIRE ROBERT)

Société jouissant d'une personnalité juridique (à la différence de la succursale) mais dirigée ou contrôlée par une société mère.

1.1.2 Succursale (DICTIONNAIRE ROBERT)

Établissement qui dépend d'un siège central, tout en jouissant d'une certaine autonomie. Exemple : Les succursales d'une banque.

Chapitre 2

Configuration D'1 ORDINATEUR D'1 SUCCURSALE

Figure 2.1 – FIGURE ILLUSTRATIVE de la marque succursale

CHAQUE ORDINATEUR INSTALLÉ DANS 1 SUCCURSALE possède 1 identification égale à 1 ***CHAÎNE DE CARACTÈRE*** unique.

CETTE CHAÎNE de caractère est la même pour chaque ordinateur de la succursale observée. LA FIGURE 2.1 illustre ***L'IDENTIFIANT*** "**YERITH_RD_TEST**" d'1 succursale de test. Il s'agit de L'ONGLET "Connecter une localisation" dans la fenêtre 'FENÊTRE DE L'ADMINISTRATEUR' !

2.1 INSTALLATIONS DE yerith−erp−pgi−9.0 PAR SUCCURSALE

1. Chaque copie de YERITH−PGI−ERP−9.0 installée sur 1 ordinateur a été compilée avec l'identifiant de sa succursale.

   L'IDENTIFIANT de la succursale se fait grâce à 1 chaîne de caractère dans le fichier nommé

   `YERITH_ERP_9_0_CURRENT_LOCALISATION_FOR_RELEASE_BUILD`

   CE FICHIER EST À CE MOMENT DANS LE RÉPERTOIRE de développement :

   `yerith-erp-9-0/yerith-erp-9-0-development-scripts`

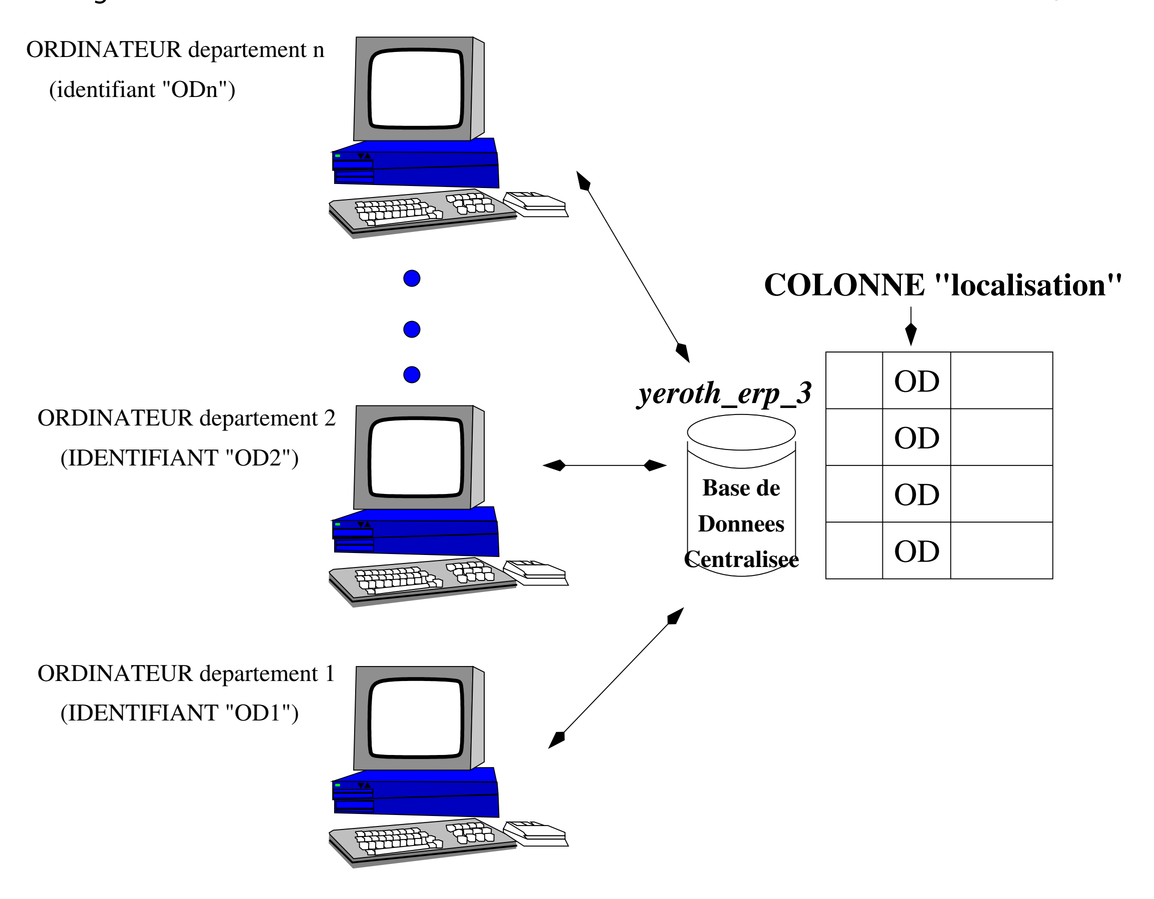
2. AINSI COMPILÉE, 1 copie exécutable de YERITH−PGI−ERP−9.0 IDENTIFIE chacune de ses transactions dans la colonne ***"localisation"*** de la base de donnée MySQL d'1 IDENTIFIANT ÉGAL À TOUS LES IDENTIFIANTS de sa succursale.

Chapitre 3

CAS D'1 Filiale

3.1 TPE et PME

Figure 3.1 – BASE DE DONNÉES CENTRALISÉE d'1 filiale POUR TPE / PME



La figure 3.1 correspond à l'accès à la base de données de **LA Filiale (TPE ou PME)**.

DES TPE (Très Petite Entreprise) et des PME (Petite et Moyenne Entreprise) devraient suivre ce modèle avec 1 seul identifiant (pour colonne localisation) pour tous leurs ordinateurs (OD1 = OD2 = ... = ODn = OD).

3.2 Très Grandes Entreprises (TGE)

Figure 3.2 – BASE DE DONNÉES CENTRALISÉE d'1 filiale pour TGE

ORDINATEUR departement n
(IDENTIFIANT "ODn")
COLONNE "localisation"
yeroth_erp_3
Base de Donnees Centralisee
ORDINATEUR departement 2
(IDENTIFIANT "OD2")
ORDINATEUR departement 1
(identifiant "OD1")

	OD1	
	ODn	
	OD2	
	OD4	

La figure 3.2 correspond à l'accès à la base de données de **LA Filiale TGE**.

DANS DE TRÈS GRANDES ENTREPRISES (Ex. : santa lucia AHALA, CAMWATER BONANJO, etc.), chaque département de L'ENTREPRISE A SON identifiant (pour colonne localisation) pour tous les ordinateurs du département (OD1 $\neq$ OD2 $\neq$ ... $\neq$ ODn).

Chapitre 4

CAS D'1 Succursale

Figure 4.1 – BASE DE DONNÉES décentralisée du SIÈGE CENTRAL

SUCCURSALE n
(marque "Sn")
SUCCURSALE n
(marque "Sn")
SUCCURSALE n
(marque "Sn")
COLONNE "localisation"
yeroth_erp_3
Base de
Donnees
DE LA SUCCURSALE

	Sn	
	Sn	
	Sn	
	Sn	

Internet
Synchronisation reguliere
A TEMPS d'intervalles reguliers
(rsync debian linux)
Yeroth_erp_3
Base de
Donnees
du siege Central

	S1	
	S2	
	Sn	

La figure **??** correspond à l'accès temps réel et temps différé aux bases de données RESPECTIVEMENT locale et centrale de LA SUCCURSALE et de la MAISON MÈRE (synchronisés à temps d'intervalles réguliers avec l'outil "RSYNC" DE Debian Linux).

4.1 Coupure de connexion Internet

L'ARCHITECTURE RÉSEAU PRÉSENTÉE dans la FIGURE **??** permet à 1 succursale de travailler localement, même en cas de coupure de connexion internet vers le Siège central.

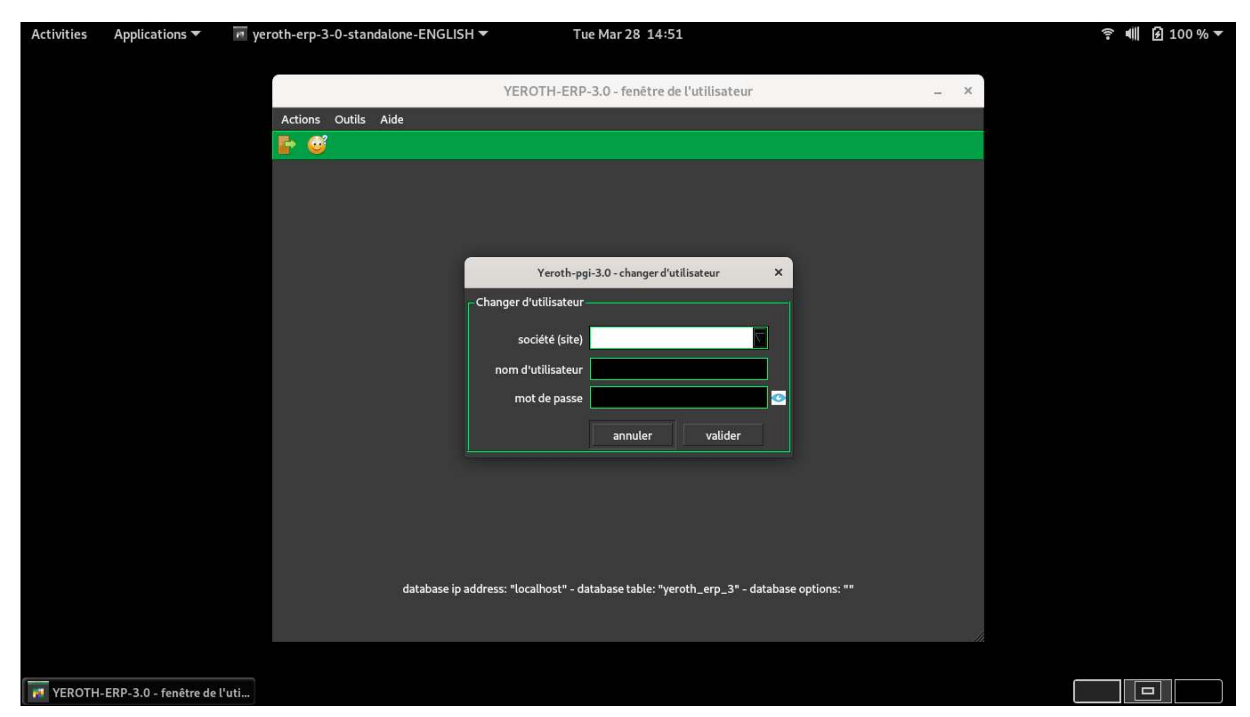
La synchronisation ultérieure permettrait ainsi de synchroniser des données avec le siège central via l'application RSYNC-DEBIAN-LINUX.

Chapitre 5

LOGIN et connexion à 1 succursale

Seul 1 utilisateur de type (ayant 1 rôle de) "*Manager* " ("business manager" en Anglais) a la possibilité de se connecter à 1 succursale différente de celle où son ordinateur est situé.


Figure 5.1 – Connexion à 1 succursale (SOCIÉTÉ – SITE)



La figure 5.1 illustre la fenêtre dialogue de connexion de YERITH–PGI–ERP–9.0 pour 1 utilisateur. Cette fenêtre contient 1 champs de texte duquel 1 utilisateur ayant 1 rôle de *Manager* peut choisir 1 succursale vers laquelle il peut se connecter.

Lorsqu'un utilisateur est connecté à 1 autre succursale, toutes des informations et données affichées à l'écran proviennent de la base de données de la succursale concernée.

Chapitre 6

Bibliographie

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YERITH_QVGE : A Framework for Verifying SQL Correctness Temporal Properties of [GUI] Software at Runtime

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Abstract

Software correctness properties are essential to maintain quality by continuous and regressive integration testing, as well as runtime monitoring the program after customer deployment. This paper presents an effective and lightweight C^{++} program verification framework: **YRI-DB-RUNTIME-VERIF**, to check SQL (Structure Query Language) [1] software correctness properties specified as temporal safety properties [2]. A temporal safety property specifies what behavior shall not occur, in a software, as sequence of program events. **YRI-DB-RUNTIME-VERIF** allows specification of a SQL temporal safety property by means of a state diagram mealy machine [3]. In **YRI-DB-RUNTIME-VERIF**, a specification characterizes effects of program events (via SQL statements) on database table columns by means of set interface operations ($\in$, $\notin$), and, enable to check these characteristics hold or not at runtime. Integration testing is achieved for instance by expressing a state diagram that encompasses both Graphical User Interface (GUI) states and MySQL [4] databases queries that glue them. For example, a simple specification would encompass states between 'Department administration' and 'Stock listing' GUI interfaces, and transitions between them by means of MySQL databases operations. **YRI-DB-RUNTIME-VERIF** doesn't generate false warnings; **YRI-DB-RUNTIME-VERIF** specifications are *not desirable (forbidden) specifications (fail traces)*. This paper focuses its examples on MySQL database specifications, labeled as states diagrams events, for the newly developed and FOSS (Free and Open Source Software) Enterprise Resource Planing Software YERITH–ERP–3.0 [5].

Keywords: model-based testing, reactive system analysis, computer software program analysis, computer software dynamic program analysis, software integration testing with SQL and GUI, runtime monitoring

Fig. 1: **`YRI-DB-RUNTIME-VERIF`** WORKFLOW (diagram inspired from operation diagram in [6]).

SUT receives user GUI events that modify SQL database tables

corelation

SUT emits SQL events to yri–db–runtime–verif

STATE DIAGRAM SPECIFICATIONS as yri_sd_runtime_verif_lang DSL code

PROGRAMS OUTPUT

DYNAMIC RUNTIME ANALYSIS (SUT + yri–db–runtime–verif)

STATE DIAGRAM SPECIFICATIONS as yri_sd_runtime_verif C++ code

Ongoing report on erroneous SUT program state and lines of code

SUT + yri–db–runtime–verif run conccurrently as separate processes

yri–db–runtime–verif monitors and analyzes SUT SQL event sequence

1 Introduction

Table 1: YERITH–ERP–3.0 RELEVANT SOFTWARE SYSTEM METRICS

Software System Metric	**Value**
User Interface (windows, dialog) number	60
MariaDB SQL table number	38
MariaDB SQL table column number	320
Source lines of code (SLOC)	300,000

1.1 Motivations

This paper describes an effective dynamic analysis framework, based on runtime monitors specified in `C++` programs (implemented in the software library `yri_sd_runtime_verif`), to perform software temporal safety property checking of GUI (Graphical User Interface) based software.

GUI based software are very comfortable and handy to use. However, tools to perform temporal safety property verification of GUI software are allmost not available as FOSS. The testing of combinations between GUI windows and database queries that glue them to make sense to the user, is allmost unavailable as FOSS, or at all to the best of the knowledge of the author of this paper. The FOSS `C++` library `libfsmtest` [7] provides test suite generation support for source code behavior specifications as mealy automata. However, `libfsmtest` only allows for *desirable* correctness properties, and doesn't provide GUI (interaction) support or as plugin-based.

Unit or integration testing for GUI widgets is available by use of "NUnit" testing frameworks like e.g. `Qt-Test` [8], `CppUnit` [9], etc.. Software testing across GUI widgets (and MySQL queries) is however limited in support by these "NUnit" framework. To the best of the knowledge of the author of this paper, `DejaVu` [10] provides some support for `Java`'record and replay' testing while `FROGLOGIC` [11] provides support for `C++` GUI software 'record and replay' testing technology. 'Record and replay' testing means a user performs a sequence of events that are recorded by testing infrastructure and automatically replay later on to see if expected events thereof occur. However, none of this 'record and replay' technology tool enable temporal safety property specification as FOSS, with SQL as plugin.

As we will see in the related work, section 7, of this paper, most of software correctness property checking frameworks don't put an emphasis on checking temporal safety property of GUI software. Characterizing the effects of program statements (via SQL statements) on database table columns, and to check that these characteristics hold or not, is of predominant importance for large software systems with an impressive number of database tables. Table 1 illustrates for instance FOSS YERITH–ERP–3.0 relevant software system metrics.

It means it can be very difficult for developers to keep application related logical requirements between the tables without appropriate software testing or analysis tools.

A large amount of former work on runtime monitoring assumes for a sequential program, or an abstraction of the program as one single source code, on which program analysis is performed [12–16].

The program analysis technique the author of this paper presents here abstract SQL events, GUI events, or sequences of them, as a state diagram, and enables developers to run them sequentially against a runtime monitor specified as a $\texttt{C}^{++}$ program. In particular, the example presented in Section 3 specifies results of GUI windows events as SQL database pre-conditions on state diagram transitions; SQL events are specified as state diagram transition events. Figure 1 shows a high level overview of **YRI-DB-RUNTIME-VERIF** workflow.

1.2 Main Contributions

This paper presents 3 original main contributions:

- an industrial level quality framework (**YRI-DB-RUNTIME-VERIF**: https://github.com/yerithd/yri-db-runtime-verif), that solves temporal property verification by dynamic program analysis. **YRI-DB-RUNTIME-VERIF** makes use of the $\texttt{C}^{++}$ `Qt-Dbus` library, to input a *runtime monitor specification (`yri_sd_runtime_verif`)* as $\texttt{C}^{++}$ program code, that also enables software–library–plugin checks;

- a $\texttt{C}^{++}$ library: `yri_sd_runtime_verif` (https://github.com/yerithd/yri_sd_runtime_verif); modeling a state diagram runtime monitoring interface using only set algebra inclusion operations ($\in$, $\notin$) for state diagram program state specification as pre- and post-conditions.

  `yri_sd_runtime_verif` only enables the specification of states diagrams specifications as ***not desirable (forbidden) behavior specifications (fail traces)***. Thus, **YRI-DB-RUNTIME-VERIF** doesn't generate any false warning. A violation of a safety rule has been found whenever a final state could be reached. On the other hand, not reaching a final state doesn't mean that there is not a test case (or test input) that cannot reach this final state.

- An application of **YRI-DB-RUNTIME-VERIF** to check 1 temporal safety property error, found in the ERP FOSS YERITH–ERP–3.0.

Previous version of this paper

This paper extends a previous version [17], currently in conference proceedings SPLASH–ICTSS 2023 submission, with state diagram with more than 2 states, guarded conditions specifications, 2 new keywords for state diagram transition trace specification ("**in_sql_event_log**", "**not_in_sql_event_log**"), and **YRI-DB-RUNTIME-VERIF** binaries with more than 1 runtime monitor.

1.3 Overview

This paper is organized as follows: Section 2 presents formal definitions of the principal concepts used in this paper. Section 3 presents a motivating example that will be used throughout this paper to explain the presented concepts of this paper. Section 4 presents the software architecture of **YRI-DB-RUNTIME-VERIF**, our GUI dynamic analysis framework. Section 5 introduces the $\texttt{C}^{++}$ software library `yri_sd_runtime_verif` to model states diagrams, and reused by **YRI-DB-RUNTIME-VERIF**. We evaluate our dynamic runtime analysis in Section 6. Section 7 compares this paper with other papers that achieve similar work or endeavors. Section 8 concludes this paper.

2 Formal Definitions

`yri_sd_runtime_verif`'s formal description of the state diagram formalism follows ***Mealy machine*** [3] added with ***accepting states (final or erroneous states), and state diagram transition pre- and post-conditions***: "*state diagram mealy machine*". Another excellent, detailed with proofs and theory presentation of mealy automata [18] is available. In comparison to statechart [19], which is a ***visual formalism*** for states diagrams, `yri_sd_runtime_verif` doesn't support at time for instance the following features: *hierarchical states (composite state, submachine state), timing conditions.*

Definition 1.

A state diagram is a 8–tuple $(S, S_0, C, \Sigma, \Lambda, \delta, T, \Gamma)$ where:

- **S**: a finite set of states
- $\mathbf{S_0} \in S$: a start state (or initial state)
- C: a set of predicate conditions; pre-conditions are underlined (e.g.: $\underline{Q0}$), and post-conditions are overlined (e.g.: $\overline{Q1}$). A pre-condition is comparable to a Harel-statechart *guarded condition*.
- $\mathbf{\Sigma}$: an input alphabet, $\mathbf{\Sigma} := \{False, True\}$.
  $'False'$ means no input from SUT into **`YRI-DB-RUNTIME-VERIF`**.
  $'True'$ means any input could come from SUT.
- $\mathbf{\Lambda}$: an output alphabet (of program events $e_n(n \in \mathbb{N})$), ϕ the no program event. A program event generally corresponds to a function or method call at a SUT source code statement (or program point).
- $\delta : S \times C$: a 2-ary relation that maps a state s to a state-condition c as either a state diagram transition pre-condition ($\underline{c}$), or as a state diagram transition post-condition ($\overline{c}$).
- $\mathbf{T} : S \times \Sigma \rightarrow S \times \Lambda$: a transition function that maps an input symbol to an output symbol and the next state.
- : a $2-ary$ relation that maps a state diagram transition to a guarded condition expression.
- $\mathbf{\Gamma}$: a set of accepting states; $\mathbf{\Gamma} \in S$.

For instance, for the motivating example described in Figure 2 we have:

- $\mathbf{S} = \{\mathrm{D}, \mathrm{E}\}$;
- $\mathbf{S_0} = \mathrm{D}$;
- $\mathbf{C} = \{\underline{Q0}, \overline{Q1}\}$;
- $\mathbf{\Sigma} = \{False, True\}$;
- $\mathbf{\Lambda} = \{\phi,$ 'SELECT.department'$\}$;
- $\delta = \{(\mathrm{D}, \underline{Q0}), (\mathrm{E}, \overline{Q1})\}$;
- $\mathbf{T} = \{((\mathrm{D}, False), (\mathrm{D}, \phi)), ((\mathrm{D}, True), (\mathrm{E},$ 'SELECT.department'$))\}$;
- $\mathbf{\Gamma} = \{\mathrm{E}\}$

Definition 2.

A pre-condition of a state diagram transition is a predicate that must be true before the transition can be triggered. A pre-condition $\underline{Q0}$ could have 2 forms:

- $\underline{Q0}$:= IN_PRE(X, Y) that means value "X" is in ($\in$) database column value set "Y".
- $\underline{Q0}$:= NOT_IN_PRE(X, Y) that means value "X" is not in ($\notin$) database column value set "Y".

Definition 3.

A post-condition of a state diagram transition is a predicate that must be true after the transition was triggered. A post-condition $\overline{Q1}$ could have 2 forms:

- $\overline{Q1}$:= IN_POST(A, B) that means value "A" is in ($\in$) database column value set "B".
- $\overline{Q1}$:= NOT_IN_POST(A, B) that means value "A" is not in ($\notin$) database column value set "B".

For state diagram mealy machines with more than 2 ***states***, only the first transition has a pre-condition specification (**IN_PRE**, or **NOT_IN_PRE**). Each other transition only has a post-condition specification (**IN_POST**, or **NOT_IN_POST**). Since each state only has 1 outgoing (edge) state transition, the post-condition of the previous (incoming) state transition acts as the pre-condition of the next transition.

Definition 4.

A trace $T_n =< e^0, e^1, .., e^n >$ is a sequence of SUT events (or SUT program points) $e^{i, i \in \{0,..,n\}}$ of length n. $trace(D)$ is the trace of SUT events up to state D. For instance, for the motivating example described in Figure 2 we have: $trace(E) = trace(D), <$ 'SELECT.department' $>$.

Proposition 1: NO FALSE WARNINGS.

`yri_sd_runtime_verif` only allows 1 outgoing edge or transition for a state in its specifications, and for *not desirable (forbidden) behavior*, as illustrated in Figure 2. There is no need to specify the red colored edge in Figure 2 because it represents runtime cases where no input events arrive from SUT into **`YRI-DB-RUNTIME-VERIF`**. These 2 properties, together with algorithm '`YRI_trigger_an_edge_event(QString an_edge_event)`' (Listing 3) of `yri_sd_runtime_verif`, ensures that there are no false warnings during **`YRI-DB-RUNTIME-VERIF`** analyses. For example, the runtime monitoring or verification systems [12–16] may give false warnings.

2.1 Guarded Condition Expression Specification in `yri_sd_runtime_verif`

Guarded conditions expressions can be specified using one of the `yr_create_monitor_edge` method and a boolean expression of type `YR_CPP_BOOLEAN_expression`. An edge without an explicit guarded condition has an ***implicit*** '`[True]`' guarded condition on it. The implicit guarded condition '`[True]`' mustn't be identified as an implicit input event '$True$', as specified in Definition 1.

Guarded conditions are meant to be trace set specification on program events. For instance in Figure 2 (motivating example): "`[in_set_trace ('DELETE.department.YRI_ASSET', STATE(D))]`"means that a SQL 'DELETE' event removing a department named 'YRI_ASSET' from MariaDB SQL table '`department`' must have occurred in the trace leading to state 'D', before event '`SELECT.department`' can be triggered. A guarded condition could have two practical forms:

- "[**in_set_trace** ('event', STATE(D))]" is equivalent to: 'event' ∈ trace(D).
- "[**not_in_set_trace** ('event', STATE(D))]" is equivalent to: 'event' ∉ trace(D).

where 'event' is an input event (event $\in \mathbf{\Sigma}$) and 'D' a state diagram state ($D \in \mathbf{S}$).

Fig. 2: A motivating example, as current bug in YERITH–ERP–3.0.
$\underline{Q0}$:= NOT_IN_PRE(YRI_ASSET, department.department_name).
$\overline{\underline{Q1}}$:= IN_POST(YRI_ASSET, stocks.department_name).



Fig. 3: YERITH–ERP–3.0 administration section displaying departments ($\neg\underline{Q0}$).

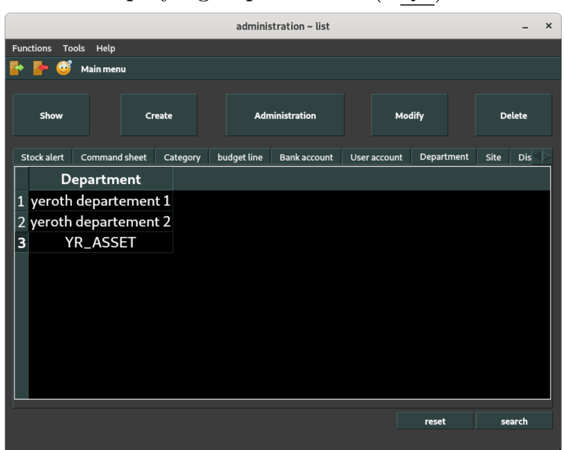
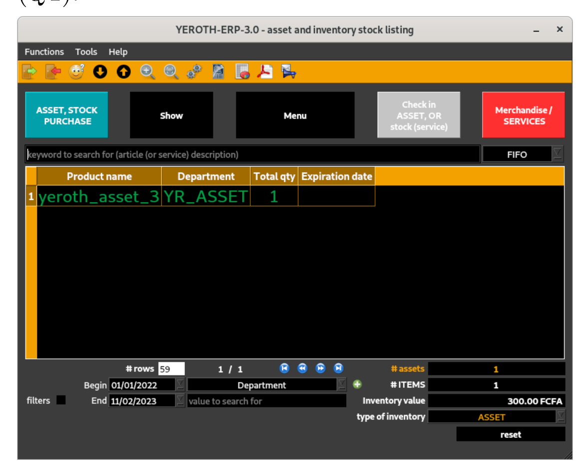


Fig. 4: YERITH–ERP–3.0 stock asset window listing some assets ($\overline{\underline{Q1}}$).



3 Motivating Example: missing department definition

3.1 The Enterprise Resource Planing Software YERITH–ERP–3.0

YERITH–ERP–3.0 is a fast, yet very simple in terms of usage, installation, and configuration Enterprise Resource Planing Software developed by Noundou et al. [5] for very small, small, medium, and large enterprises. YERITH–ERP–3.0 is developed using `C++` by means of the `Qt` development library. YERITH–ERP–3.0 is a large software with around 300 000 (three hundred thousands) of physical source lines of code. **`YRI-DB-RUNTIME-VERIF`** could be used for integration testing of YERITH–ERP–3.0, among different software modules.

3.2 Example Temporal Safety Property

The motivating example of this paper consists of the temporal safety property stipulating that ***"A DEPARTMENT SHALL NOT BE DELETED WHENEVER STOCKS ASSET STILL EXISTS UNDER THIS DEPARTMENT"***. This statement means that a user shall be denied the removal of department 'YRI_ASSET' in Figure 3 because there are still a stock asset listed within department 'YRI_ASSET', as illustrated in Figure 4. Figure 2

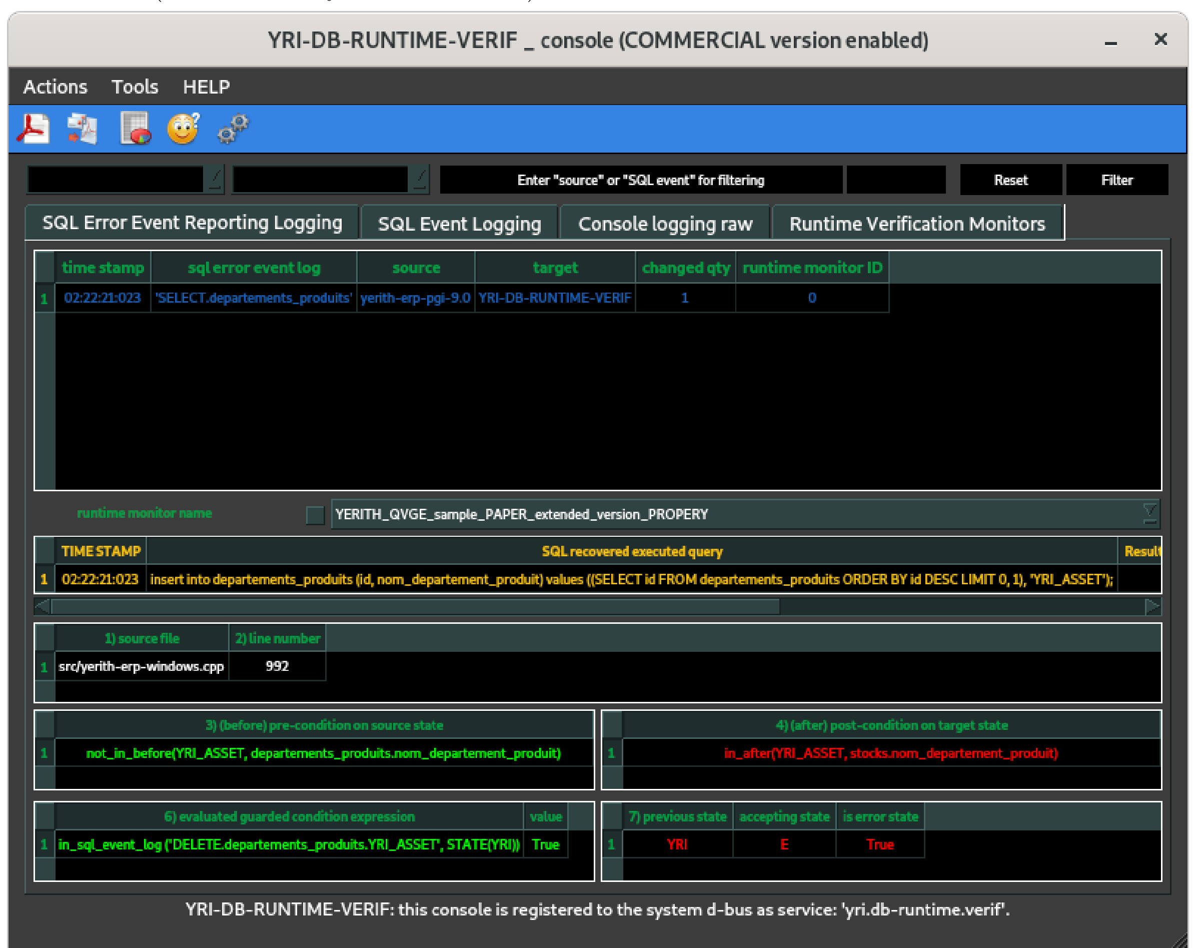


Fig. 5: **`YRI-DB-RUNTIME-VERIF`** graphical EDITOR viewing interface demonstrating that a final state has been reached (Section 6 analyzes these results).

illustrates the above temporal safety property as a simple state diagram.

3.2.1 State Diagram Explanation

'D' is a ***start*** state as illustrated by an arrow ending on its state shape. 'E' is a ***final*** (error, or accepting) state as illustrated by a double circle as state shape.

The pre-condition $\underline{Q0}$ (as a predicate) in state 'D': **"NOT_IN_PRE(YRI_ASSET, department.department_name)"** means:

- ***a department named*** 'YRI_ASSET' ***is not in column*** 'department_name' ***of MariaDB SQL database table*** '`department`'. This might happen whenever button '`Delete`' in Figure 3 is pressed when item 'YRI_ASSET' is selected.

Similarly, the post-condition $\overline{Q1}$ (as a predicate) **"IN_POST(YRI_ASSET, stocks.department_name)"**, in accepting state 'E', means:

- ***a department named*** 'YRI_ASSET' ***is in column*** "department_name" ***of MariaDB SQL database table*** '`stocks`'.

The **state diagram event transition** in Figure 2: '`SELECT.department`' denotes that when in 'D', a SQL 'select' on database table "`department`" has occurred; 'E' is then reached as an ***accepting state***.

Guarded Condition Expression

The guarded condition expression "[**in_set_trace** ('DELETE.department.YRI_ASSET', STATE(D))]"means a SQL 'DELETE' event removing a department named 'YRI_ASSET' from MariaDB SQL table '**department**' must have occurred in the trace leading to state 'D'.

Yri_sd_runtime_verif Specification Code

The source code specified in Listing 2 also illustrates a specification in C++ using software library **yri_sd_runtime_verif** of the state diagram specification above.

3.3 YRI-DB-RUNTIME-VERIF Analysis Report

The motivating example automaton in Figure 2 is analyzed by **YRI-DB-RUNTIME-VERIF** as follows:

- whenever department 'YRI_ASSET' is deleted in YERITH–ERP–3.0, as done in Figure 3, the runtime monitor state 'D' with a state condition $\underline{Q0}$ is entered

- when MySQL library (plugin) event '**SELECT.department**' occurs, in Figure 3 because of YERITH–ERP–3.0 displaying the remaining product departments, the guarded condition for edge event '**SELECT.department**' is automatically evaluated to '**True**' by C++ library **yri_sd_runtime_verif**, because no other guarded condition was specified by the developer

- **yri_sd_runtime_verif** enters the runtime monitor state to 'E' and state condition $\overline{Q1}$ via method **YRI_trigger_an_edge_event(QString an_edge_event)** because there are still assets (**yerith_asset**_3) left within product department 'YRI_ASSET', as illustrated in Figure 4. 'E' is then an accepting (or final or error) state.

Figure 5 illustrates an analysis result of the afore described process, which gets evaluated and described in Evaluation Section 6.

Fig. 6: **YRI-DB-RUNTIME-VERIF**: simplified software system architecture.

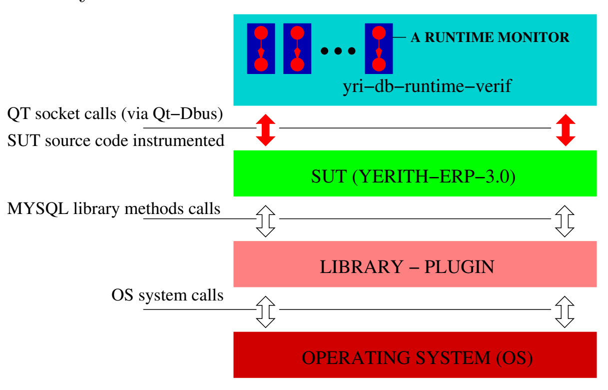
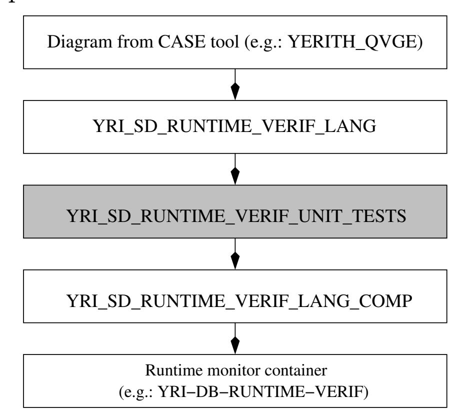


Fig. 7: YERITH_QVGE software library dependencies.



4 The Software Architecture of YRI-DB-RUNTIME-VERIF

4.1 Dynamic Analysis

4.1.1 SUT Source Code Instrumentation.

YRI-DB-RUNTIME-VERIF runs as a separate Debian Linux process from the application to dynamically analyze (YERITH–ERP–3.0 in this case). Figure 6 illustrates a software system architecture layer of a software system that uses **YRI-DB-RUNTIME-VERIF**. Figure 6 and Figure 7 illustrate how YERITH–ERP–3.0 is instrumented to send MySQL database events, as they occur on due to the GUI of YERITH–ERP–3.0, to process **YRI-DB-RUNTIME-VERIF**, so it can perform runtime analysis of the monitor implemented within it.

4.1.2 Debugging Information.

Each GUI manipulation of YERITH–ERP–3.0 in its instrumented source code part could generate a state transition within the analyzed runtime monitor state diagram in **YRI-DB-RUNTIME-VERIF**. Visualize "line 35" of Figure 5 to observe that a specific analysis message is sent to the console of **YRI-DB-RUNTIME-VERIF** in cases where a final state has been reached; the message at "line 33" is for an accepting (final) state of the state diagram specification of the motivating example presented in Figure 2.

4.2 SQL Events

YRI-DB-RUNTIME-VERIF currently only processes the 4 SQL events in Table 2.

4.3 A Runtime Monitor (An Analysis Client)

Listing 1: **"XML file adaptor for YERITH–ERP–3.0 test cases (reduced from** 4 **to only** 1 **SQL event for paper)."**

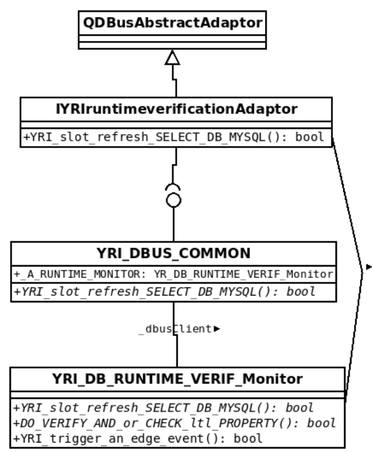
```
<!DOCTYPE node PUBLIC "-//freedesktop//DTD D-BUS Object
      Introspection 1.0//EN"
        "http://www.freedesktop.org/standards/dbus/1.0/introspect.
            dtd">
<node name="/YRruntimeverification">
  <interface name="com.yerith.rd.IYRruntimeverification">
    <method name="YRI_slot_refresh_SELECT_DB_MYSQL">
      <annotation name="org.qtproject.QtDBus.QtTypeName.In0"
          value="QString"/>
      <annotation name="org.qtproject.QtDBus.QtTypeName.In1"
          value="uint"/>
      <annotation name="org.qtproject.QtDBus.QtTypeName.In2"
          value="bool"/>
      <arg type="QString" direction="in"/>
      <arg type="uint" direction="in"/>
      <arg type="bool" direction="out"/>
    </method>
  </interface>
</node>
```

An user (an analysis client) of **YRI-DB-RUNTIME-VERIF** needs to subclass class `YR_DB_RUNTIME_VERIF_Monitor`. The UML class diagram in Figure 8 displays the class structure of **YRI-DB-RUNTIME-VERIF**. `Qt-Dbus` communication adaptor `IYRruntimeverificationAdaptor`

Table 2: SQL Event Dbus Method Interface

SQL Event	**Dbus Method Interface**
DELETE	YRI_slot_refresh_DELETE_DB_MYSQL(QString, uint)
INSERT	YRI_slot_refresh_INSERT_DB_MYSQL(QString, uint)
UPDATE	YRI_slot_refresh_UPDATE_DB_MYSQL(QString, uint)
SELECT	YRI_slot_refresh_SELECT_DB_MYSQL(QString, uint)

Fig. 8: **`YRI-DB-RUNTIME-VERIF`**: simplified class diagram in UML [20].



shall be generated by the user of this library (on **`YRI-DB-RUNTIME-VERIF`** side) using `Qt-Dbus` command `qdbusxml2cpp` and an XML file, similar to the one displayed in Listing 1:

An analysis client must first override method '**DO_VERIFY_AND_or_CHECK_ltl_PROPERTY**' of class '`YR_DB_RUNTIME_VERIF_Monitor`' so to implement a checking algorithm for each event received from SUT, as for instance the events illustrated in Figure 2 of the motivating example. The analysis client then calls method '**`YRI_trigger_an_edge_event(QString an_edge_event)`**' (Listing 3) of class '`YR_CPP_RUNTIME_MONITOR`' of `C`$^{++}$ library **`yri_sd_runtime_verif`** for each corresponding state diagram transition event.

Fig. 9: Class diagram in UML [20] to model a State Transition Diagram.

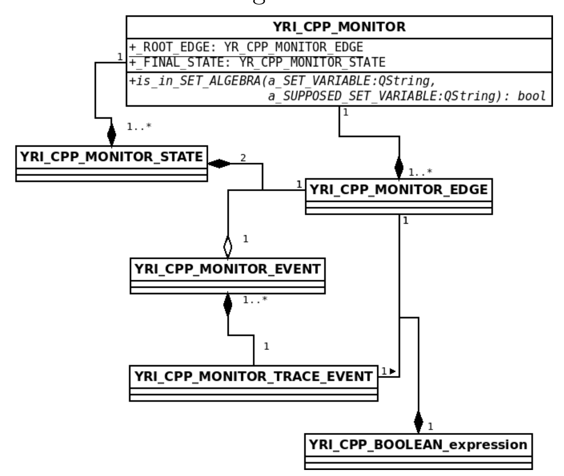
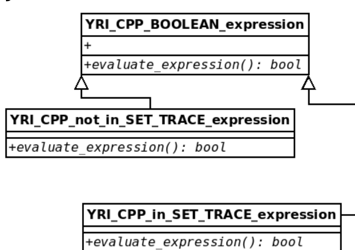


Fig. 10: Class diagram in UML [20] to model state diagram transition trace conditions in `yri_sd_runtime_verif` code.



Listing 2: `yri_sd_runtime_verif` C++ code modeling a current bug in YERITH–ERP–3.0 (Figure 2).

```
YRI_CPP_MONITOR_EDGE *a_last_edge_0 = create_yri_monitor_edge("D",
                                                  "E",
                                                  "select.departements_produits");

a_last_edge_0->get_SOURCE_STATE()->set_START_STATE(true);

a_last_edge_0->get_TARGET_STATE()->set_FINAL_STATE(true);

a_last_edge_0->set_PRE_CONDITION_notIN("YRI_ASSET",
                                         "departements_produits.nom_departement_produit");

a_last_edge_0->set_POST_CONDITION_IN("YRI_ASSET",
                                      "stocks.nom_departement_produit");

YRI_register_set_final_state_CALLBACK_FUNCTION(&YRI_CALL_BACK_final_state);
```

5 `yri_sd_runtime_verif`: A C++ Library to Model States Diagrams

5.1 Structure Of `yri_sd_runtime_verif`

`yri_sd_runtime_verif` is a state diagram C++ library the author of this paper created to work with the dynamic analysis program **`YRI-DB-RUNTIME-VERIF`**. Figure 9 and Figure 10 represent the class structure, in UML, of `yri_sd_runtime_verif`. Listing 2 shows the C++ code that models the motivating example in Figure 2, and that uses runtime monitoring C++ state diagram library `yri_sd_runtime_verif`.

There is no need to write C++ code for the red specified edge of Figure 2; this represents runtime cases where no input event arrives from SUT into `YRI-DB-RUNTIME-VERIF`.

Table 3 specifies which class is in `yri_sd_runtime_verif` code for each runtime monitor/state diagram element.

5.2 Methods for Pre- and Post-Condition Specifications

Table 4 illustrates methods for specifying pre– and post–conditions of a runtime monitor

Table 3: Runtime Monitor Specification Classes

State Diagram Feature	Class
State	YR_CPP_MONITOR_STATE
Transition	YR_CPP_MONITOR_EDGE
Event	YR_CPP_MONITOR_EVENT
Trace at state level	YR_CPP_MONITOR_TRACE_EVENT
Guard Condition	YR_CPP_BOOLEAN_expression
Set Trace Inclusion at edges	YR_CPP_in_SET_TRACE_expression
Set Trace non Inclusion at edges	YR_CPP_not_in_SET_TRACE_expression
Runtime Monitor	YR_CPP_MONITOR

Table 4: `yri_sd_runtime_verif` Methods for Pre-/Post-Condition Specification

Class YR_CPP_MONITOR_EDGE Methods	Utility
set_PRE_CONDITION_notIN(QString, QString)	sets a NOT IN DATABASE pre–condition
set_PRE_CONDITION_IN(QString, QString)	sets an IN DATABASE pre–condition
set_POST_CONDITION_notIN(QString, QString)	sets a NOT IN DATABASE post–condition
set_POST_CONDITION_IN(QString, QString)	sets an IN DATABASE pre–condition

state diagram transition. Each method takes in 2 arguments of string (`'QString'`) type: `'DB_VARIABLE'`, `'db_TABLE__db_COLUMN'`.

The first method argument: `'DB_VARIABLE'`, specifies which variable is to be expected as value for the specification of the second variable argument `'db_TABLE__db_COLUMN'`. The second variable gives in a string to be specified in format "DB_table_name.DB_table_column"; and its supposed value is the returned value of the first variable argument `'DB_VARIABLE'`.

These 4 pre- and post-conditions methods make assumptions that a **program variable value** `'DB_VARIABLE'` is in set "DB_table_name.DB_table_column" or not; if the value of `'DB_VARIABLE'` is in the database table column, it means it is **in the set** ($\in$) of values "DB_table_name.DB_table_column"; and not being in the table column means it is **not in the set** ($\notin$).

Example from the motivating example in Section 3

Listing 2 of the runtime monitoring specification stipulates for instance in its "line 12", as post-condition:

```
a_last_edge_0->
   set_POST_CONDITION_IN("YRI_ASSET",
        "stocks.nom_departement_produit");
```

that 'YR_ASSET' shall be a value in the value set ($\in$) of SQL table 'stocks' column 'nom_departement_produit'.

5.3 SUT Event Processing Method `YRI_trigger_an_edge_event`

Listing 3 illustrates the pseudo–code of `yri_sd_runtime_verif` SUT event processing method `YRI_trigger_an_edge_event(QString an_edge_event)`. '`YRI_trigger_an_edge_event(QString an_edge_event)`' is responsible for interpreting a monitor at runtime, based on its current state, and on the current event received from SUT. Each state in `yri_sd_runtime_verif` states diagrams

Listing 3: `C++` Pseudo-code for `YRI_trigger_an_edge_event(QString an_edge_event)`: `yri_sd_runtime_verif` method for triggering state diagram events (edges or transitions).

```
bool MONITOR::YRI_trigger_an_edge_event(QString an_edge_event)
{
    MONITOR_EDGE cur_OUTGOING_EDGE = _cur_STATE.outgoing_edge();

    if (cur_OUTGOING_EDGE.evaluate_GUARDED_CONDITION_expression() &&
        (an_edge_event == cur_OUTGOING_EDGE.edge_event_token()))
    {
        bool precondition_IS_TRUE = cur_OUTGOING_EDGE
                        .CHECK_SOURCE_STATE_PRE_CONDITION(_cur_STATE);

        if (precondition_IS_TRUE)
        {
            set_current_triggered_EDGE(cur_OUTGOING_EDGE);

            MONITOR_STATE a_potential_accepting_state =
                cur_OUTGOING_EDGE.get_TARGET_STATE();

            if (CHECK_whether__STATE__is__Final(a_potential_accepting_state))
            {
                CALL_BACK_final_state_FUNCTION(a_potential_accepting_state);
            }
            return true;
        }
    }
    return false;
}
```

shall have only 1 outgoing edge (transition), by specification and construction, as explained in Proposition 2 in Section 2.

The algorithm in Listing 3 demonstrates that, given correct trace and event information from SUT, `yri_sd_runtime_verif` always exactly matches the user specification. Thus never giving false warnings.

Table 5: SUT (YERITH–ERP–3.0) "**YRI-DB-RUNTIME-VERIF** graphical EDITOR" error states (Figure 5).

SQL EVENT	SUT PROGRAM POINT (TRACE)
"SELECT.department"	"src/yerith-erp-windows.cpp:992"

6 Evaluation

The main experimental results in this paper demonstrate the efficacy of our tool to find errors in the SUT (YERITH–ERP–3.0), presented in Subsection 3.2.

Qualitative Results.

SUT (*YERITH–ERP–3.0*) TRACING.

Table 5 illustrates SUT source code trace information as presented in **`YRI-DB-RUNTIME-VERIF`** console output in Figure 5. We have translated from French to English the MariaDB SQL table names.

SQL EVENT CALL SEQUENCE.

A careful observation of the output in Figure 5 illustrates the following sequence:

- **line** 23**:** at state D, execution of the state diagram event "'`SELECT.department`' " (SUT button '`Delete`' has been pressed at **line** 21) :
```
select * from departements_produits WHERE nom_departement_produit = 'YRI_ASSET';
```
- **line** 28**, line** 29**:** evaluation of the pre–condition $\underline{Q0}$ of state D stating that product department 'YRI_ASSET' is not existent evaluates to 'TRUE' (triggering of event "'`DELETE.department.YRI_ASSET`' " by pressing of SUT button '`Delete`' at **line** 21 has removed any asset department name 'YRI_ASSET').
```
*[YRI_CPP_MONITOR::CHECK_PRE_CONDITION_notIN:] precondition_IS_TRUE: True    **
```
- **line** 31**, line** 32**:** checking post–condition $\overline{Q1}$ in state E (there are still stocks in stock department 'YRI_ASSET') evaluates to 'TRUE', thus state E is reached as an accepting state, because department name 'YRI_ASSET' still exists in SUT SQL table "stocks", as illustrated in Figure 4 of the motivating example:
```
"execQuery: select * from stocks WHERE nom_departement_produit = 'YRI_ASSET';"
*[YRI_CPP_MONITOR::CHECK_post_condition_IN:] postcondition_IS_TRUE: True    **
```

Runtime Performance.

`YRI-DB-RUNTIME-VERIF` and `yri_sd_runtime_verif` don't incur a runtime supplemental overhead to the SUT, apart emitting SQL events from SUT to **`YRI-DB-RUNTIME-VERIF`** as they occur, since no hand–shaking mechanism is used between **`YRI-DB-RUNTIME-VERIF`** and the SUT. The emission of an SQL event from SUT to **`YRI-DB-RUNTIME-VERIF`** doesn't cost more than 2 statements execution time (getting a pointer to the DBUS server, and calling a method '`YR_slot_refresh_SELECT_DB_MYSQL`' or other similar 3 methods (for `INSERT`, `UPDATE`, and, `DELETE`) on it).

7 Related Work

- **SUT source code instrumentation with runtime monitor specification.** "Clara" [12] enables to express software correctness properties using `AspectJ` and *dependency state machines (related to trace-matches [21])*, both as instances of the typestate formalism, a formalism that is merely used for checking correctness of programs by a static compilation (analysis) technique called ***typestate checking***. The Clara framework weaves (instruments), and annotates a program with runtime monitors using `AspectJ`, then tries to optimize the weaved program by static analysis. The "residual program", meaning the weaved statically optimized program is then executed and runtime monitored by developers to detect runtime errors. Runtime monitoring tools [13–16] work as similar as the Clara framework does.

  `YRI-DB-RUNTIME-VERIF` doesn't instrument the System Under Test (SUT) with any specification. It runs the runtime monitor concurrently from the analyzed SUT, but not with hand–shaking mechanism, thus not increasing runtime execution of the SUT. **`YRI-DB-RUNTIME-VERIF`** specifies the runtime monitor as a *state diagram mealy machine*, a subset of typestate, specified as a $\texttt{C}^{++}$ program, and extended with accepting states and state transition pre- and post-condition.

- **SUT binary code instrumentation with a runtime monitor.** With `tracerory` [6, 22]", **Jon Eyolfson and Patrick Lam** use runtime program binary code instrumentation technique in `INTEL-pin` [23] to instrument running programs for purposes of detecting unread memory. I.e., `tracerory` doesn't generate itself a runtime monitor, it uses `INTEL-pin` [23] to generate a runtime monitor for its verification purposes. "`Purify`" [24] doesn't allow for SUT user correctness property specification. It has built-in memory access safety properties to check *offline* on program execution, after instrumentation of the SUT, its third-party, and vendor object-code libraries.

  In contrast, with **`YRI-DB-RUNTIME-VERIF`**, the user instruments the source code of the analyzed $\texttt{C}^{++}$ program at compile time with SQL events emitting code. **`YRI-DB-RUNTIME-VERIF`** could also be used to perform memory write integrity check like `tracerory`. **`YRI-DB-RUNTIME-VERIF`** monitors program trace events at database level (also source code statement level by mapping to SQL query statements), and not at program counter level as `tracerory` does. **`YRI-DB-RUNTIME-VERIF`** inputs a SUT correctness property specification as a *state diagram mealy machine* (as a subset of `LTL` [2]); **`YRI-DB-RUNTIME-VERIF`** is a runtime monitor container; **`YRI-DB-RUNTIME-VERIF`** also generates itself a runtime monitor whereas `tracerory` doesn't.

- **Source code automated test case generation for $\texttt{C}^{++}$ with `TDIOHS` [25], or FOSS library `libfsmtest` [7].** "Peleska et al." created a Framework for generating Harel–statecharts fully compatible state diagrams as Test programs as $\texttt{C}^{++}$ object–oriented program code; Based on "Peleska et al." formalism of Time Discrete Input/Output Hybrid System (`TDIOHS`). `TDIOHS` models state systems that handle real and discrete real number data as input to the system under test.

  In contrast, the framework `YERITH_QVGE` runtime monitors a program under analysis only for specified fail (forbidden) trace behaviors as given by users.

- **Specification as set interface operations.** "Hob" [26, 27] is a program verification framework that enables to: characterize effects of program statement on data structures by means of all (∀, ∃, etc.) algebra abstract set interface operations; and to check that these characteristics hold or not, using static analyses.

  `YRI-DB-RUNTIME-VERIF` is a program verification framework that enables to: characterize effects of program statements (via SQL [4] (Structure Query Language) on database table columns by means of set interface operations (∈, ∉); and to check that these characteristics hold or not, using dynamic runtime analysis.

- **Concurrent Event Stream Analysis.**

  "`DejaVu` " [28] enables to check safety temporal property expressed in **first-order past linear-time temporal logic (FO-PLTL)** for events that carry data. `DejaVu` inputs a trace log (*offline*) and a FO-PLTL formula, and outputs a boolean value for each position in the inputted trace. "LogScope" [29] checks, *offline*, software systems correctness properties expressed using a rule–based specification language over state machines. It is not very precise what type of state machine is created and processed. "LogScope" translates specifications into C^{++} monitors (that could carry data). "`EventRaceCommander`" [30] repairs in web applications (*online*), event race errors, a kind of safety error.

  States diagrams specifications are implemented as C^{++} program monitors using C^{++} library `yri_sd_runtime_verif`. **`YRI-DB-RUNTIME-VERIF`** outputs a developer given (by means of a callback function, as seen in 'line 15' in Listing 2) string message [1] in case an accepting state was entered, and a trace event of YERITH–ERP–3.0 leading to it. **`YRI-DB-RUNTIME-VERIF`**'s monitors need not store data, as `DejaVu` monitors must. **`YRI-DB-RUNTIME-VERIF`** events also carry data (database table and column name, records quantity modified by current SUT event). Runtime monitors could be checked against programs written in any programming language or framework, as long as they emit necessary SQL events to **`YRI-DB-RUNTIME-VERIF`**.

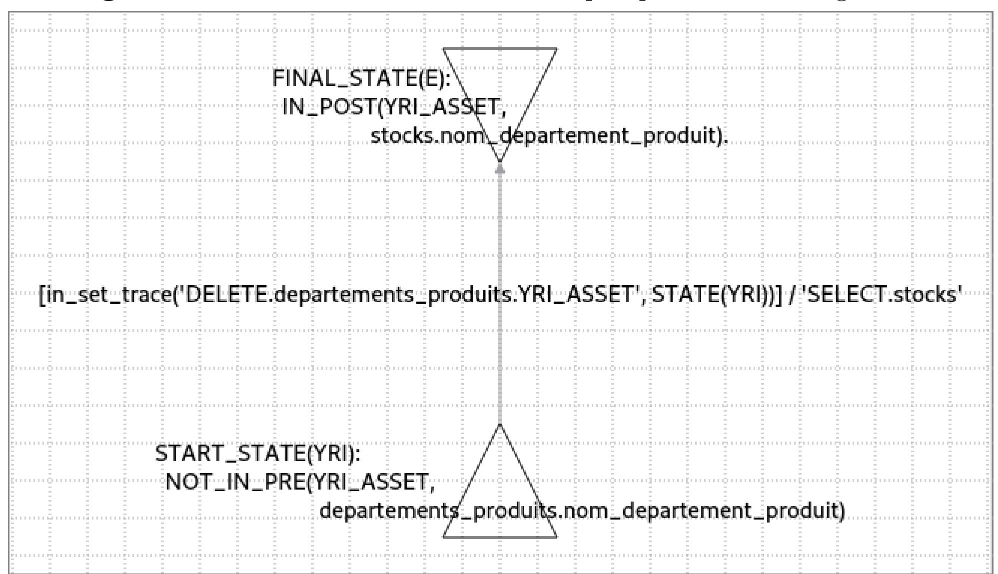
[1] **'YRI_DB_RUNTIME_VERIF_Monitor_notify_SUCCESS_VERIFICATION'** in this paper motivating example in Figure 5.

Fig. 11: **A Mealy Machine State Diagram Specified Using `yri_sd_runtime_verif` Specification Language.**

```
yri_sd_mealy_automaton_spec yri_missing_department
{
 START_STATE(d):NOT_IN_PRE(YRI_ASSET,department.department_name)
  ->[in_sql_event_log('DELETE.departement.YRI_ASSET',STATE(d))]/'SELECT.department'->
   ERROR_STATE(e):IN_POST(YRI_ASSET,stocks.department_name).
}
```



Fig. 12: 'YERITH_QVGE' model for the example specification in Figure 11.



8 Conclusion And Future Work

This paper has presented a lightweight C++ `Qt-Dbus` [31] tool to check a program against a runtime monitor using set interface operations ($\in$, $\notin$) on program statement: **`YRI-DB-RUNTIME-VERIF`**. **`YRI-DB-RUNTIME-VERIF`** doesn't generate false warnings; **`YRI-DB-RUNTIME-VERIF`** specifications are *not desirable (forbidden) specifications (fail traces)*. Since the concurrent communication between **`YRI-DB-RUNTIME-VERIF`** and a program occurs over the RPC (Remote Procedure Call) instance `Dbus`, a runtime monitor could be checked against programs written in any programming language or framework, as long as they emit the necessary SQL events to **`YRI-DB-RUNTIME-VERIF`**.

Future work would be a tool-chain to validate `yri_sd_runtime_verif` models as represented in this paper.

Also, the author of this paper has developed a graphical drawing tool (`YERITH_QVGE`) for in Section 2 defined state diagrams. A model of `YERITH_QVGE` is shown in Figure 12. It is an extension of the FOSS (Free and Open Source Software) Qt `Graphviz` [32] drawing tool `QVGE` [33]. `YERITH_QVGE` generates, from a model, an input file for the compiler `yri_sd_runtime_verif_lang_comp`.

Listing 4: '**DO_VERIFY_AND_or_CHECK_ltl_PROPERTY**': **`YRI-DB-RUNTIME-VERIF`**'s overridden method for processing SUT event stream C++ pseudo-code.

```
bool DO_VERIFY_AND_or_CHECK_ltl_PROPERTY(
    QString sql_table_NAME,
    SQL_CONSTANT_IDENTIFIER cur_SQL_command)
{
    switch (cur_SQL_command)
    {
    case SELECT:

        if ("department" == sql_table_NAME))
        {
            return YRI_trigger_an_edge_event("'select.department'");
        }
        break;

    default:
            break;
    }

    return false;
}
```

A Processing of SUT Event Stream By An Analysis Client

Listing 4 illustrates the pseudo-code of **`YRI-DB-RUNTIME-VERIF`** SUT event processing method '**DO_VERIFY_AND_or_CHECK_ltl_PROPERTY**'. An analysis client must first override method '**DO_VERIFY_AND_or_CHECK_ltl_PROPERTY**' of class '`YRI_DB_RUNTIME_VERIF_Monitor`' so to implement a checking algorithm for each event received from SUT, as for instance the events illustrated in Figure 2 of the motivating example.

The analysis client then calls method '**`YRI_trigger_an_edge_event(QString an_edge_event)`**' of class '`YRI_CPP_RUNTIME_MONITOR`' of C++ library `yri_sd_runtime_verif` for each corresponding state diagram transition event.

B YRI_SD_RUNTIME_VERIF SPECIFICATION LANGUAGE

Fig. 13: Grammar in Backus–Naur Form (BNF) of `yri_sd_runtime_verif` Mealy Machine State Diagram Specification Language.

⟨*specification*⟩ ::= **yri_sd_mealy_automaton_spec** '{' ⟨*mealy-automaton-spec*⟩ '.' '}'

⟨*mealy-automaton-spec*⟩ ::= ⟨*sut-state-spec*⟩
| ⟨*sut-state-spec*⟩ '→' ⟨*sut-edge-state-spec*⟩

⟨*sut-edge-state-spec*⟩ ::= ⟨*sut-edge-mealy-automaton-spec*⟩ '→' ⟨*mealy-automaton-spec*⟩

⟨*sut-edge-mealy-automaton-spec*⟩ ::= ⟨*edge-mealy-automaton-guard-cond*⟩ ⟨*event-call*⟩

⟨*edge-mealy-automaton-guard-cond*⟩ ::= /* empty */ '/' | '[' ⟨*trace-specification*⟩ ']' '/'

⟨*trace-specification*⟩ ::= ⟨*in-sql-event-log*⟩ | ⟨*not-in-sql-event-log*⟩ | ⟨*in-set-trace*⟩ | ⟨*not-in-set-trace*⟩

⟨*sut-state-spec*⟩ ::= ⟨*start-state-property-spec*⟩
| ⟨*start-state-property-spec*⟩ ':' ⟨*algebra-set-specification*⟩
| ⟨*state-property-spec*⟩ ':' ⟨*algebra-set-specification*⟩
| ⟨*final-state-property-spec*⟩ ':' ⟨*algebra-set-specification*⟩
| ⟨*final-state-auto-property-spec*⟩ ':' ⟨*algebra-set-specification*⟩ ':' ⟨*recovery-sql-query-spec*⟩

⟨*algebra-set-specification*⟩ ::= ⟨*in-algebra-set-spec*⟩ | ⟨*not-in-algebra-set-spec*⟩

⟨*in-algebra-set-spec*⟩ ::= ⟨*in-spec*⟩ '(' ⟨*prog-variable*⟩ ',' ⟨*db-table*⟩ '.' ⟨*db-column*⟩ ')'

⟨*not-in-algebra-set-spec*⟩ ::= ⟨*not-in-spec*⟩ '(' ⟨*prog-variable*⟩ ',' ⟨*db-table*⟩ '.' ⟨*db-column*⟩ ')'

⟨*in-sql-event-log*⟩ ::= **in_sql_event_log**'(' ⟨*event-call*⟩ ',' ⟨*state-property-specification*⟩ ')'

⟨*not-in-sql-event-log*⟩ ::= **not_in_sql_event_log**'(' ⟨*event-call*⟩ ',' ⟨*state-property-specification*⟩ ')'

⟨*in-set-trace*⟩ ::= **in_set_trace**'(' ⟨*event-call*⟩ ',' ⟨*state-property-specification*⟩ ')'

⟨*not-in-set-trace*⟩ ::= **not_in_set_trace**'(' ⟨*event-call*⟩ ',' ⟨*state-property-specification*⟩ ')'

⟨*in-spec*⟩ ::= **IN_BEFORE** | **IN_AFTER**
| **IN_PRE** | **IN_POST**

⟨*not-in-spec*⟩ ::= **NOT_IN_BEFORE** | **NOT_IN_AFTER**
| **NOT_IN_PRE** | **NOT_IN_POST**

⟨*start-state-property-spec*⟩ ::= **START_STATE**'(' AlphaNum ')'

⟨*state-property-spec*⟩ ::= **STATE**'(' AlphaNum ')'

⟨*final-state-property-spec*⟩ ::= **END_STATE**'(' AlphaNum ')'
| **FINAL_STATE**'(' AlphaNum ')'
| **ERROR_STATE**'(' AlphaNum ')'

⟨*final-state-auto-property-spec*⟩ ::= **END_STATE_AUTO**'(' AlphaNum ')'
| **FINAL_STATE_AUTO**'(' AlphaNum ')'
| **ERROR_STATE_AUTO**'(' AlphaNum ')'

⟨*recovery-sql-query-spec*⟩ ::= **recovery_sql_query**'(' ⟨*db-table*⟩ ',' ⟨*sql-recovery-query*⟩ ')'

⟨*sql-recovery-query*⟩ ::= String

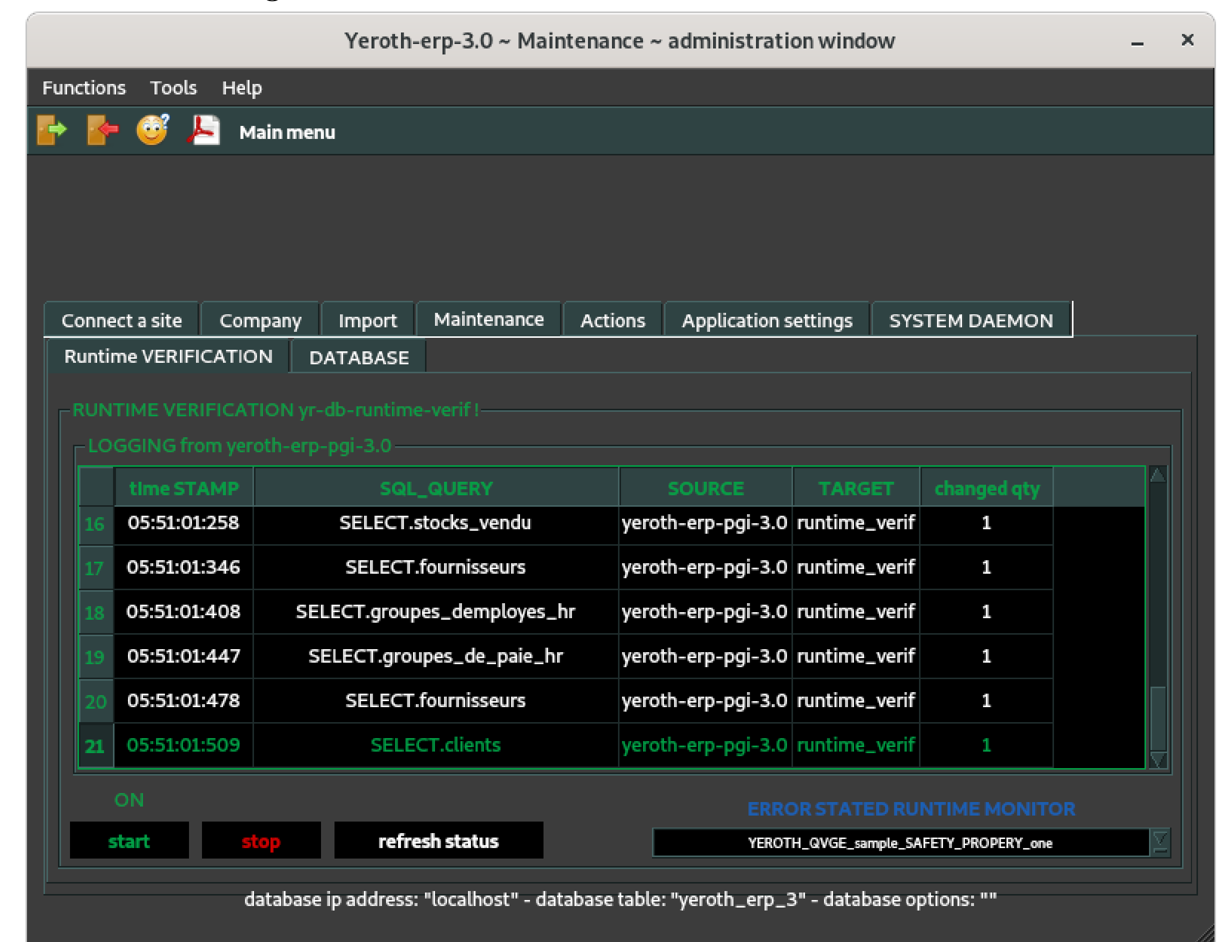
⟨*event-call*⟩ ::= String

⟨*prog-variable*⟩ ::= AlphaNum

⟨*db-table*⟩ ::= AlphaNum

⟨*db-column*⟩ ::= AlphaNum

Fig. 14: YERITH–ERP–3.0 Maintenance Verification Interface.



C YERITH–ERP–3.0 MAINTENANCE VERIFICATION INTERFACE

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University of Waterloo
200 University Ave. West
Waterloo Ontario
Canada
N2L3G1

Graduate Official Transcript

Associate Vice-President
Graduate Studies
and Postdoctoral Affairs

Name: **Noumbissi Noundou, Xavier**
Student ID: **20284586**
Ontario Education Nbr: **445938806**

Beginning of Graduate Record

Fall 2009

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 1.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
ECE	725	Computer-Aided Verification	0.50	0.50	90

Winter 2010

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 2.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Spring 2010

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 3.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Fall 2010

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 4.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Winter 2011

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 5.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Spring 2011

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 6.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
CS	744	Advanced Compiler Design	0.50	0.50	86

Fall 2011

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 7.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Fall 2012

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 8.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	



University of Waterloo
200 University Ave. West
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N2L3G1

Graduate Official Transcript

Associate Vice-President
Graduate Studies
and Postdoctoral Affairs

Name: **Noumbissi Noundou, Xavier**
Student ID: **20284586**
Ontario Education Nbr: **445938806**

Winter 2013

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 9.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
CS	846	Advanced Topics in Software Engineering	0.50	0.50	88
Course Topic:		Program Analysis of Web Apps			

Spring 2013

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 10.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
ECE	750	Special Topics in Computer Software	0.50	0.50	88
Course Topic:		Static Analysis for Softwr Eng			

Fall 2013

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 11.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Winter 2014

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 12.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Spring 2014

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 13.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Fall 2014

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 14.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Winter 2015

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 15.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	WD

Withdrawal Date: 04/30/2015

Milestones

Program: Engineering Doctoral
PhD Comprehensive Examination
Status: Completed
Date Completed: 12/20/2011
Grade: CR

End of Graduate Official Transcript

~~Noumbissi~~ Noundou [Pr. Prof. Dr.–Ing.], Xavier

Professor of Computer Software Engineering (Software System — Construction & Analysis & Verification)

Presidential Candidacy for Cameroon Election in 2025

Convictions about civil society

– "~~Datouo, KEMAJOU~~" Cameroon's gendarmerie colonel indic PAULETTE AZEFA tried to ASSASSINATE myself, openly, in front of at least 7 people, on Yaounde street, on January 09th, 2024.
– Kemajou spouses talk to people walking across roads that they shalln't perform christian cross-signs since these interrupts sorcery they are doing on people walking on roads (June 3rd, 2024).
– Secret (hidden) orders of any type SHALL be out of civilian society.
– Cameroon SHALL DEACTIVATE any kind of army soldiers estate, as SWITZERLAND has done in the past.
– Its is not a good idea to judge people based on suspicious behavior, and not, real proven or not lived really facts.
– ROSE sangnou, a BIRTH GIVER of mine, SHALLN'T ANYMORE be causing so much trouble into my life because she entertains a rosicrucian affair with Prof. Dr. rer. pol. JEAN–CLAUDE SHANDA–TONME; AND with 'DORIS beteubang Gweh', 'Hugues Ntomani Tiako'; "Dr. Henriette Pola", and her spouse "Dr. Laurent tchandeu".
– People such as KEMAJOU, who acts as a colonel gendarmerie of Cameroon army ARE ALWAYS TRYING to overcome criminal laws of Geneva.
– I don't want to be living with people that have as profession the killing of other people.
– Rose sangnou sister, (Justice) DOROTHÉE SHANDA NDJATIE, HAS TRIED to kill me by police force illegally in February 2021, as I have a file on judge HUGUES ALAIN YAGER MABOMA at DOUALA–ndokoti JUSTICE Palace ! • LAQUINTINE's Psychiatrist EYOUM CHRISTIAN, MD, was involved together with 8 other persons at night around 11 : 30*PM* so to hijack my privately owned property in Douala-CITÉ-DES-PALMIERS. • JUDGE HUGUES ALAIN YAGER MABOMAis from same tribal tribe as ACCUSED psychiatrist main offender (sawa–douala) ! • IT SEEMS "Dr christian eyoum, MD" the corrupted CPDM psychiatrist wanted myself to be sodomized by "BERTRAND" who broke the seal of my gate in steel.
– CIA (Central Intelligence Agency) shalln't hire anymore incompetent persons like 'Peter Alan Burh' 'baleba–faux-pasteur' 'NDZIÉ' 'PRC–présidence de la république du Cameroun' 'CHAPELLE DE LA GLOIRE DE CHRIST – marc denis djeng djeng – alias pasteur marco' 'IDIOT-jp-kamgain-chien' 'SAPEUR-POMPIER-de-malheur—indic–gendarme–policier–uniforme–medic' 'NORBERT tchatat–criminel' 'Bitoungi (douanes)' 'David Moniaux' 'Aurélie Yagno Kamdoum' 'DR. FOSSO–sed' 'Soot–canadian' 'sarah-landy-canadian-citizen' 'tchangoue–labforge.ca' 'sandy-sed-beidu-peggist-jo-atlee' 'carine–alias–edith – LELE – NJOUGEP – TCHANA' 'Julien-mboutou; santé publique' 'Dan Wasula waswa - so called pastor baptist church' 'KAMGA adamo – idiot – demson' 'Cameroon-chief-of-state; CAMEROUN.' 'SANDRINE-idiote yimbou' 'CHENGWA' 'DJOMO-Sawa–gilles-ézéchiel' 'didi–ruben' 'mama–fouda-idiot' 'INES ngakou' 'Serge Achille Fopoussi NONO - sed - cmr' ['~~NKWOUANO~~'] ['~~djomo~~'] ['~~TCHUIDJANG – sed - pre~~'] ['NGONGANG'] 'Hôpital Jamôt' 'VOUFFO manuela–chienne–psy–malade-mentale' 'alain-elame' 'francis magloire come nkoulou' 'ZOUMPE–idiot–jacky–diane' 'BIYA (Paul et Chantal en particulier)' 'DAIMLERCHRYSLER AG' 'BRYAN–tchamaha–ntaata-italie-chien' 'SALIOU MOUSSA–pd' 'Affana' 'Faurecia GmbH–bavaria' 'magne–bakam–bir–dgre–sed–cameroun' 'BIR – emanè-nkoa-marcelin-pierre – capitaine-mbida-dsp - mado-soeur emane–ETOGA' 'Brice sime (afriland–first–bank)' '~~GUTTEMBERG~~ tchamaha ntaata' 'Sylvanie MFEUKEN' 'ANICET Mfeukem' 'WANDJI Théodore' 'COLONEL eloundou–sed' 'Colonel ÉMILE bamkoui (semil–sed)' 'Christopher NGOSONG (University of Buea)' 'Rainer and Gabrielle SCHULZE–SMIDT' 'Franck biya' 'M. onguéné (s2TBED–biya–franck)' 'David (GATE SOLUTION CENTER)' 'KREYENHOP (BLG logistics, CDU politicians)' 'Achilles Kouam (PAUL fokam kammogne)' 'Thierry Nyamen (Pr. Prof. Dr.–Ing.)' 'MOÏSE–idiot–yamkam–tebiwo' 'REZA kopae (riskview inc.)' 'Thomas NDIE DJOTIO' 'Christelle-akamba–et–autres-noms-de-akamba' 'VALERIE' 'ALT LE PLUS' 'Nestor KENFACK (N.K. quincaillerie)' 'atanga-nji-paul-culprit' 'Daniela–siemens-OCS-erlangen' 'Menguéné Mvindi' 'TCHEUFFA' 'Audrey NGUETIE tchamga (ex girl–friend)' '~~JIHANE ayachi~~' 'ZABER-idiot-algérien-bremen' 'DZUKOU–tate–fotso–viviane' 'irene-ines-ngakou-temou-FAINÉANTE-suisse-bordellerie' 'VANELLE–JUNIOR–laure AZEFA-gang' 'GODRICK chekete H.' 'pasteur Landry' 'Eric Joël KOM SIPA' 'Grégoire Owona (CPDM general secretary)' 'SANGO (Spouse Bernadette NOUNDOU(CMR-dgre)' 'gendarme essono en civil (iloga–iloga–aurélien)' 'GÉNÉRAL DE CORPS D'ARMÉE bouba.' '~~consortium–conrad-black–ROTHSCHILD~~' '~~GALAX YVES LANDRY ETOGA–chien~~' '~~jean–yang–CMU~~' '~~ILOGA ILOGA AURÉLIEN~~' 'SHANDA NDJATIE' 'MAXIME napoa eteme' '(a so called baptist church pastor) Dr. PAUL siméon nomo, Psy.D.' 'Majeed Mike (quantstamp.com)' 'LEO passos (quantstamp.com)' 'iuc; masc. hypolithe tekeu.' 'Eunice GAPIE Yemte' 'Yves Francis DANTEU' 'Winnie-shanda-joël...' 'Alexie TCHEUYAP' 'Gervais Nana' 'JEAN CLAUDE SHANDA TONME' 'Jean–Paul YAMTCHE (Afriland first bank; Intelligentsia)' 'JEAN–PIERRE kamgain' 'Bernadette NOUNDOU, Epse SANGO (cmr DGRE)' 'RAOUL Prince njonkep (SED)' 'ERIC BODDDEN' 'Prof. Dr. Xavier Siewe Noundou (CMR-dgre)' 'Me. André Édouckè' 'JULES nteta noundou -(cmr-dgre)' **'SALAUD-rcmp-assassin FABRICE-WILFRIED-siemeni-canadian-armed-forces; Prof. Dr. med. Norbert SIEMENI (CMR-sed)'** 'Ondřej Lhoták' 'Dr. Chantal NOUNDOU, Epse ... (cmr DGRE)' 'ANNIE METIAM' 'terreur - ;HONORÉ WOUCHE' '~~POKAM KWAM~~' 'Serge, jérusalem apostolat' 'NOUMBISSI' 'Guimezap' 'GEORGETTE' 'Victor Noundou Koliou cmr-sed' 'Christian rikong ngueyong' 'Hilaire' 'Jeanne MVONDO' 'CHETA' 'rodrigue-alain-sienchie-ngongang' 'angela WOLFGANG fernand JR owona' 'fanfan (GAUTHIER) SHANDA tonme' 'DR. GADJEU francis aimé tchana' 'ute' 'Patrick lam, Ph.D., P.Eng.' 'JON eyolfsson' 'Prof. Dr. rer. nat. Jan Peleskas' 'Patrick' 'YAGER MABOMA' to try to kill humble black engineers and scientists.
– People like PAUL BIYA shalln't be called president of all Cameroonian anymore because as CPDM ruling party, they harass people that don't call themselves from RDPC !

Contact

- **Address:** YECEFOIQ – "Immeuble YERITH"– barrière – Simbock, Mfoundi 6, Yaounde, Cameroon
  – located opposite side of Biya's S2TBED forestry society (since 2015 officially) !
- **Email:** Yerith.Xavier@gmail.com

Citizenship ; Place Of Birth

Cameroonian 🇨🇲, no other citizenship ; Douala (Littoral, Cameroon)   UPLOADED a copy of national id (N.20190242230510554) onto "https://www.facebook.com" this year 2024.

Teaching Statement

1. [Teaching] and [Advising] is my priority at time since in Cameroon Software inception is very long and tedious because Cameroon authorities, Especially SED.
2. My 1st professor and best educator is [prof. dr. rer. nat. habil. JAN-peleska], at the University of Bremen, Bremen, Germany.;   The 1st best teacher as of now was "prof. dr. dr. ULRICH KRAUSE, at the University of Bremen; as well";   THE 2nd best teacher as of now was "'[Prof. Dr.–Ing. Patrick] Lam, at the [University of Waterloo, ONTARIO, CANADA]".
3. I endeavor to teach what makes my research vivid "*(RM: Program Software Runtime Monitoring)*" and useful for young and adult people around the world;   I can teach almost everything in Computer Sciences, except Computer Electronics, Computer Graphics, and Imaging.

Research Goals in Computer Software Engineering – [Continued]

1. Create a very cheap and pragmatic Enterprise Resource Planing (ERP) software: (e.g: **YERITH–ERP–9.0–PLATINUM**[1]).
2. CREATE a market place where stock exchanges occur real–time; [**YERITH–ERP–9.0–TRADING–REALTIME**] is used as platform for valuation of stocks; And for stock exchanges. THE market place is a physical place in "YERITH–R&D building"; THE physical stock exchanges occur outside of "YERITH–R&D building"; just a plot of land '5 meters' away on the opposite side of road leading to "YERITH R&D" !
3. ***Automatic generation of web HTML pages from a Domain Specific Language (DSL) that is more approachable for a high level programming language perspective (i.e: similar to C^{++} / Java):*** YERITH–WEB–PAGES–GENERATOR–9.0***[22.22]***.
4. Create and render software analysis, debugging, and testing tools as easy as possible to use, with only finite automata theory background; and / or Typestate–API usage rule checking typestate–API knowledge (e.g.: **YERITH–SAINT**[1?], **SDMM**[?d], **YRI_QVGE**[12.12], VALKYRIE–VALGRIND[20.20]).

Professional Computing Associations Memberships

- Current: "***acm: The Association for Computing Machinery***"; "***FME: Formal Methods Europe***"; "***ASQ: American Society for Quality***".

Professional Computing Literature Reviews

- ***OOPSLA** 2010*

Professional international workshops and conferences

- **IMRT radiation therapy at** SIEMENS OCS Erlangen-BAVARIA-Germany 2008; [***FSE–soqua*** *2006*]; **PLDI** 2009; **IBM CASCON** 2010; **MITACS ONTARIO** 2012; **ICSE** 2012

Professional Research Contributions / Interests

- [Resume / CV – Research Overview Start Page] | [PUBLICATIONS] | Publications list on "www.archive.org" | Publications list on "www.zenodo.org"
- **Operating System Debian Linux Distribution Contribution for customers of** "YERITH–ERP–PGI–9.0": "YERITH–NISSI.".   Bash; DEBIAN LINUX; Jan. 2017 –
- **ERP Software:** "YERITH–ERP–PGI–9.0"[1]; git `https://www.github.com/yerithd/yerith-erp-9-0`   C^{++} ; Qt 5 ; Oct. 2015 –
- **Software Engineering–Formal Methods [1|1|1c] / Software Validation / Software Verification**   CASE tools [**YRI_QVGE**[?a], ***RT–Tester, MBT***[1b]]
- **Software Testing** [22.22] (also with "VERIFIED SYSTEMS INTERNATIONAL GMBH" .) **YRI_QVGE**[?b], [MASTER THESIS[1], ***RT–Tester, MBT***[1b]], ***JUNIT 4 Tutorial***[1]
  - A. Web Applications (***Dynamic Taint Analysis***[3] | Development)
    - 1. JudoDB, with "Dr. Patrick Lam (doctor–Ph.D. advisor of mine)"; git `https://www.github.com/patricklam/judodb`   GWT, PHP; Java; June 2014 – Nov. 2014
  - B. ***Cyber–Security Analysis***[2] [24.24] (PLG SEMINAR AT DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE, UNIVERSITY OF WATERLOO, ONTARIO, CANADA)
  - C. ***Information Flow Policy Control***; ***Typestate–API usage rule checking***; ***Dynamic Program Analysis Monitoring***
    - ?f ***A Runtime Monitoring Mealy Machine C^{++} library***; git `https://www.github.com/yerithd/yri_sd_runtime_verif`   C^{++} ; Qt 5 ; June 2022 –
    - ? ***YERITH_QVGE : A Framework for Verifying SQL Correctness Temporal Properties of [GUI] Software at Runtime***
      FOSS Code location, *EXCEPT for commercial CASE drawing tool* : git `https://www.github.com/yerithd/yri-db-runtime-verif`   C^{++} ; Qt-Dbus; June 2022 –
    - 3 ***A Dynamic Taint Analysis for PHP in Quercus***; git `https://www.github.com/xnoundou/xresin-taint-analysis`   Java; Firebug; Jan. 2013 – Apr. 2013
  - D. ***Static Program Code Analysis Verification; Compilers; Verifiable DSL (Verifiable Domain-Specific Languages)***
    - 20.20 Open Source (FOSS) Contribution to "Valkyrie: Valgrind–GUI"; git `https://www.github.com/yerothd/valkyrie_NON_OFFICIAL`   C^{++} ; Qt 5 ; July 2023 –
    - 1d *Vordiplom–B.Sc. Independent Study: A Semantic Comparison between Timed Automata and Büchi Automata*   Set–Algebra; Sep. 2004 – Dec. 2004
    - 1? ***Ph.D. disser.: A Context–Sensitive Staged Static Taint Analysis for C using LLVM***; git `https://www.github.com/AmesianX/saint`   LLVM; C^{++}; Java
    - ?d ***A State Diagram Mealy Machine Description Language***; git `https://www.github.com/yerithd/yri_sd_runtime_verif_lang`   flex, bison; Apr. 2023 –
    - 1a ***Ph.D. thesis: Temporal Property Verification in Plugin–based Software***   SOOT; Java

Summer School Participation — Highlights — [Continued]

- **"Management Psy Human Resource Course"** – Collège Integ, Douala, Littoral, Cameroun — Taught by "Dr. Jean Moubeb, Psy.D."   Jan. **2020** – June **2020**

Chieftaincy / Miscellaneous

- ***KING YERITH–NISSI. (Prophet of Jeovah-nissi, "Isaiah** 45**" (SINCE nov.** 14; 2014**) in HOLY BIBLE***, **PAROLE DE VIE-(Amis pour toujours) – French language)**
- I also act as a Prophet described in "Apocalypse 12".
- I also act as a Prophet described in "Apocalypse 1", named 'Fidèle, et Véritable'.
- Creator and Professor at YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE), a subsidiary of YERITH R&D
- "High Qualified Person–migrant in CANADA (Québec, then Ontario) for 9 years until August 2014".
- Driving license class B – Cameroon & Canada

PROFESSIONAL TOOLS AND PROGRAMMING LANGUAGES

- Operating Systems: MS Windows (XP, 98, 2000, 7, 10, 11), DEBIAN LINUX (8, 9, 10, 11, 12)
- SCM (Source Code Version Management Tools): Git, Mercurial (hg), SVN, Rational ClearCase
- Web Technologies: MariaDB, HTML5, CSS, PHP, Quercus, Apache Tomcat, GWT (Google Web Toolkit), JSP
- Scripting Languages: Cygwin, Python, sed, AWK, Bash
- Programming languages, Debugging, and Testing Analysis tools: YRI_QVGE[12.12], SCALA, Java, C/C++, JUnit-5, DDD, Gcov, VALKYRIE YERITH[20.20], LTSA
- Programming and Compiler Frameworks: DIFF, Patch, Txl, apache ANT, MAKE, Qt 5 , SOOT, LLVM, flex, bison, Eclipse IDE, Codeblocks, CharmNT

UNIVERSITY LEVEL TEACHING (AS A TEACHING ASSISTANT PH.D. CANDIDATE; THEN A "DOCTOR–PHD")

UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA (OCTOBER 2009 – APRIL 2015)

- Software Testing, Quality Assurance and Maintenance (ECE 453 / SE 465) | Methods and Tools for Software Engineering (ECE 650) | Foundations of Software Engineering (ECE 651) | Programming for Performance (ECE 459) | Computer Networks (ECE 428) | Compilers (ECE 351) | [C++ Laboratory (ECE 250)] .

ACADEMY WORK RESEARCH EXPERIENCE – 1

■ Start-up YERITH R&D, *Yaounde, CENTER region, CAMEROON*
Professor (Pr. Prof. Dr.–Ing.) of Computer Software Engineering at YECEFOIQ, CEO

■ *IUC (Institut Universitaire de la Côte), Douala, Littoral region, CAMEROON* **2019**
Web Software Developer Consultant (NUMERHIS–ERP Web Application Development); advised by Hypolithe Tekeu, MASc

■ *IAI (Institut Africain d'Informatique) Cameroon, Yaounde, Center, CAMEROON* **2016**
Professor (Prof.) – Consulting Lecturer (Computer Architecture for Software Engineers in anglophone section); advised by: Ing. (B.Sc.) Salabessi (and Mr. Nanga)

■ ***Professional and Academic Degree [Ph.D. in Computer Science]*** March 10, **2015** !
University of Waterloo, Waterloo, Ontario, CANADA
PhD Comprehensive Examination – ECE-University of waterloo December 20, **2011** !
PhD Research Seminar [TALK] – ECE-University of waterloo April 16, **2014**
PhD Dissertation Defence – CS-University of waterloo January **2015**
doctoral "Ph.D. degree" dissertation (Excerpt of Full not required text, by Patrick LAM, Ph.D.): *Context–Sensitive Staged Static Taint Analysis for C using LLVM*
(November 8, 2024) Addendum of co–related research in Program Analysis: *Temporal Property Verification in Plugin–based Software by Program Analysis* (`https://www.archive.org/details/yeroth-program-analysis-2023/YERITH-PROGRAM_ANALYSIS_2024_With_CURRICULUM_vitae_2024.pdf`)

■ ***The University of Waterloo (ECE at WatForm), Ontario, CANADA*** September 01, **2012** – March 10, **2015**
Professor (PostDoctoral Fellow; Prof. – Expert in a domain of science) of [RESEARCH] & [TEACHING] (program analysis & software testing research, and teaching (also related courses))
"Graduate-student 1: Divam Jain (CS–MMath, JAVA–SOOT) | Graduate-student 2: Felix Fang (ECE–MASc, Divam's research continuation)"
"Advisor 1: Pr. Prof. Dr.–Ing. Igor Ivkovic | Advisor 2: Pr. Prof. Dr.–Ing. Vijay Ganesh | Advisor 3: Pr. Prof. Dr.–Ing. Patrick Lam | Advisor 4: Pr. Prof. Dr.–Ing. Sivoththaman Siva"
"Colleague 1: Pr. Prof. Dr.–Ing. Ondřej Lhoták | Colleague 2: Pr. Prof. Dr.–Ing. Nomair Naeem | Colleague 3: Pr. Prof. Dr.–Ing. Fabrice Wilfried Siemeni | ***Colleague 4: Prof. Dr. Godrick H. Chékété*** | ***Colleague 5: Pr. Prof. Dr.–Ing. mahesh tripunitara*** | ***Colleague 6: Prof. Dr. Derek Rayside*** | ***Colleague 7: Pr. Prof. Dr.–Ing. LEO passos*** || "Colleagues in christianity (***Prof. Dr. Yaw Boakye–Agyeman***, Nana Yaw, Eric Brefo–Mensah, Chiwanza Kasanga, Mushota Kasanga and spouse Timi) – *-ATTENDED* "koinonia church in bloomingdale, ON"; "apostle continuation church in brampton, ON"."

■ ***IBM CANADA Ltd., Markham, Ontario, CANADA*** January 01, **2012** – August 31, **2012**
Thorough security check screening done for employment by employer IBM Canada LTD before starting employment.
Graduate Intern (JAVA–J9 Just–In–Time Compilation Optimization for IBM Websphere); advised by Prof. Vijay Sundaresan; and Prof. Dr. Patrick Lam

■ ***PROFESSIONAL AND ACADEMIC DEGREE. Doctor of Engineering [Dr.–Ing.]*** *(academic equivalent to a* ***"doctoral PhD*** *in Electrical and Computer Engineering")*
Engineering Doctoral Program *(Electrical and Computer Engineering)* at The University of Waterloo, Ontario, CANADA September 01, **2009** – December 20, **2011** !
Department of Electrical & Computer Engineering (ECE) – Grade **88**% [A+]
Research Proposal (doctoral Ph.D. Thesis in Electrical and Computer Engineering): ***Temporal Property Verification in Plugin–based Software***
Mathematics Subject Classification: 68—Computer Science
Computer Science Subject Classification: Software Engineering, Program Verification, Program Analysis (static code analysis, dynamic program analysis)
Advisor 1: Pr. Prof. Dr.–Ing. Nomair Naeem | Advisor 2: Pr. Prof. Dr.–Ing. Ondřej Lhoták | Advisor 3: Prof. Dr. Patrick Lam | Advisor 4: Prof. Dr. Sivoththaman Siva

■ ***The University of Waterloo (ECE at WatForm), Ontario, CANADA*** September 01, **2009** – December 20, **2011**
Teaching Assistant & Research Assistant in Computer Software Engineering (program analysis (static code and dynamic analysis) research, and teaching assistantship in computer software engineering); Advised by Prof. Dr. Patrick Lam, and Prof. Dr. Sivoththaman Siva

■ *Post–Master Work with SIEMENS Healthineers (OCS – Varian), Erlangen, Bayern, GERMANY* November 01 **2007** – July 31 **2009**
Thorough security check screening done for employment by employer "SIEMENS AG" before starting employment.
Junior Software Developer (CE–FDA certified software code development; Radiation Therapy DMIP communication control protocol C++ development); advised by: Ing. (M.Sc.) DARIO MERAVIGLIA, and Dipl.-Inf. (FH) GERHARD SENG.

■ ***PROFESSIONAL AND ACADEMIC DEGREE. Diplom–Informatiker*** *(academic equivalent to a* ***"Master*** *in Computer Science")*
I HAVE SACRED this diploma certificate "(Duplicate by Prof. Dr.-Ing. UTE bormann and Prof. Dr. Kerstin Schill; from November 01, 2017)" in front of BISHOP at St-Patrick Church in Toronto–downtown, ONTARIO, CANADA; just 3 weeks after resigning my shit–CANADIAN CITIZENSHIP at KITCHENER-WATERLOO criminal justice court [Living in Salvation Army Shelter near Justice Court.].
"Diplom–Informatiker" degree program at The University of Bremen, Bremen, GERMANY October 01, **2002** – May 25, **2007**
Department of Mathematics and Computer Science – Grade 1.6/4 [A+]
Diplomarbeit (Master Thesis): *Statistical test case generation for reactive systems* | Advisor: Prof. Dr. Jan Peleska

■ *AGBS at The University of Bremen, Bremen, Bremen, GERMANY* September 01, **2006** – February 28 **2007**
(Part–Time) Software System Developer (A 'UML 2.0 statecharts' plugin for 'Borland-Together'); advised by: Prof. Dr. Jan Peleska

■ *"IMMIGRATION CANADA delivers myself a High Qualified Person–migrant permanent residency for CANADA"* **2005**
Family member in Canada: ***"Théodore Wandji Ngongang (5850 Rue Souart Apt 7, H3S 2E8, Montreal, QC, Canada)"***
I already passed my Bachelor's degree in CS (***"Vordiplom in Informatik Certificate"***) before gaining High Qualified Person Permanent Resident Card

■ *Bergmann Automaten GmbH (now Gewete GmbH), Rellingen, Hamburg, GERMANY* March 01, **2005** – April 31, **2007**
(Part–Time) Software System Developer (Java servlet and (C++) communication protocol development); advised by: Dipl.–Ing. (FH) SVEN KAMRATH (and Dipl.–Ing. JENS MÖLLER)

■ *ZMML at The University of Bremen, Bremen, Bremen, GERMANY* February 01, **2003** – February 28, **2005**
(Part–Time) WEB AND "RAD" APPLICATION DEVELOPER (Creating websites, and RAD–server self tests evaluation programs); advised by Prof. Dr. rer. pol. Klaus Jürgen Bönkost

FREE TIME HOBBIES

- Aïkido, Swimming, and "Gospel Choir 'GEORGIA MASS CHOIR'" listening.

ACADEMY WORK RESEARCH EXPERIENCE – 2

- ~~*HABILITATION, equivalent •*~~ *Topic: "Verifying SQL Correctness Temporal Properties of [GUI] Software at Runtime"* — June 01, **2022** – Currently
  Start–up YERITH R&D, Yaounde, Center, CAMEROON
  Proposal: *YERITH_QVGE : A Framework for Verifying SQL Correctness Temporal Properties of [GUI] Software at Runtime* (Details at link ?)

- Start-up YEROTH R&D, *Yaoundé, CENTER region, CAMEROON* — October **2018** – November **2023**
  Software Verification & Validation Fellow, CEO

- Start-up Yeren Labs, *Waterloo, Ontario, CANADA* — September **2017** – September **2018**
  CTO (Chief Technology Officer), CEO

- Start-up Yeren, *Yaounde, CENTER region, CAMEROON* — March **2015** – August **2017**
  CTO (Chief Technology Officer), CEO

× ~~*[PKFokam Research Institute, Yaounde, Center, CAMEROON]*~~
~~**Professor (Prof.)–Ph.D.–seeker (Static Code Analysis Research from WATERLOO.); advised by:**~~ [~~Dr. PAUL fokam–kammogne~~], & [~~Dr.–Ing. JUSTIN bomda~~]; [~~and M. Samuel–DIMITE~~]
~~*"JAN–peleska"* & *"University of Waterloo"* *try to hijack myself through this 2-days–job–contract*~~
[All people pro–eminent persons I have seen at his banks, "including Deceased gay-pd GERVAIS mendoze", are in prison !!! (419–scam)]

- *Judo–Québec, Montreal, Quebec, CANADA* — JUNE **2014** – NOVEMBER **2014**
  (Part–Time) Web Development Consultant (JAVA SE 7, GWT, PHP) for JUDODB; advised by: Prof. Dr. Patrick Lam

- *RiskView Inc., Toronto, Ontario, CANADA* — January **2013**
  Software Consultant for Finance Software Security (SCALA servlet development for Finance); advised by: Reza Kopae, M.Sc.

- *We4IT GmbH, Bremen, Bremen, GERMANY* — June **2005** – July **2005**
  Software Development Internship (J2EE, `MySQL` web application for medical personal training management); advised by Dipl.–Inf. Stephan Sucker

- *SGS Cameroon, Douala, littoral REGION, CAMEROON* — September **2004**
  System administration internship (Computer networked installation; employee desktop technical support; (MS Windows NT, MS Windows 2000, **etc.); advised by CHENGWA, & ...)**

- *bremen4u GmbH, Bremen, Bremen, GERMANY* — March **2004**
  Web development internship, System Administration (`MySQL`, `RedHat linux`, `JSP`, `PHP`, `HTML5`, `CSS`); advised by Martin, B.Sc.

- *IWT at The University of Bremen, Bremen, Bremen, GERMANY* — October **2002** – January **2003**
  (Part–Time) Student Metal Processing & Measurement Helping Scientist; advised by: Dipl.–Ing. Sven Bengelsdorf.

- *DaimlerChrysler AG, Bremen, Bremen, GERMANY* — June **2002** – August **2002**
  Industrial Chain Worker (Kfz–Schlosser Helper); setting of Mercedes personal cars seat belts

- *Brüel & Kjær, Technology Park – University of Bremen, Bremen, GERMANY* — July **2002** – September **2002**
  (Part–Time) Student Helper (event management); advised by: Dipl.–Pol. Torben (and Dr. Woehring)

- *Cyberix, Douala, Littoral region, CAMEROON* — October **2001** – November **2001**
  Web Development Internship (`HTML`, `CSS`); advised by: Ing. Foguem (and Théodore Wandji Ngongang)

- **GCE A Level in Exact Sciences; BACCALAURÉAT C (Mathematics, etc.)** — **2000**
  Grade of "11.59 / 20"
  Douala, LITTORAL region, CAMEROON

- **GCE O Level in Exact Sciences; PROBATOIRE C (Mathematics, etc.)** — **1999**
  Grade of "12.09 / 20"
  Douala, LITTORAL region, CAMEROON

- **B.E.P.C (Brevet d'Études DU PREMIER CYCLE)** — **1997**
  Douala, LITTORAL region, CAMEROON

- **C.E.P.E (CERTIFICAT D'ÉTUDES PRIMAIRES ÉLÉMENTAIRES)** — **1993**
  Douala, LITTORAL region, CAMEROON

PROFESSIONAL COMMUNICATION LANGUAGES

- **FRENCH, and ENGLISH** — CAMEROON; NATIVE
- **"GERMAN DSH LANGUAGE CERTIFICATE"**, Sehr Gut (Very Good) — April 2002 (UNIVERSITY OF DORTMUND, DORTMUND, NRW, Germany)
- **"ENGLISH USA TOEFL–IBT"**, Grade 86 — June 2018 (Hamilton, Ontario, Canada)

[SUMMER SCHOOL PARTICIPATION] – ADDENDUM

- **"CUT** 1 **– Certificate in University Teaching**1**"** – University of Waterloo, Waterloo, Ontario, CANADA — **2010**
- **"Online Software Security Course"** – Stanford University, CA, USA — Taught by "Prof. ~~Boney~~' (Not finished completely graduated) — June **2013** – August **2013**
- **"First Summer School on Formal Techniques"** – NSF, SRI International, Menlo College, Atherton, California, USA — May 22, **2011** – May 27, **2011**
- **"Graduate Student English Training Course"** – Université du Québec à Montréal (UQAM), Montreal, Quebec, Canada — Aug. **2009**
- **"Graduate Management Admission Test (GMAT) Preparation Course"** – Concordia University, Montreal, Quebec, Canada — June **2007**
- **"C Programming Language Preparation Course"** – UY 1, ENSPY, Yaounde, Center, Cameroon — Taught by "Master–1 Mr. Donfack (ENSPY)" — Aug. **2001** – Sep. **2001**

[RESEARCH GOALS IN COMPUTER SOFTWARE ENGINEERING] (CONTINUED)

5. ***Prepare a course on "Software System Security Vulnerability Detection and Analysis". I prepare this course material so to implement a software system for protecting other software from malware.***
6. Create a stand–alone tool that generates code for creating statechart C++ code for mealy machine state diagram (SDMM[?d]).
   This tool is specifically created and programmed for generating code that uses checkboxes to select options for Graphical User Interface [GUI] code.
7. Position "static dataflow analysis research and techniques" as similar as runtime verification (i.e.: circle 4 in Figure 6; e.g.:PH.D. THESIS[1a], YERITH–SAINT[1?]).
8. Create and produce a computer device that could be embedded into other computer devices and that will communicate with them through serial ports and / or USB interfaces SO to provide YRI_QVGE program verification to USER FINISHED products on-the-fly, AS an add-on ENGINEERED industrial product: ALSO this product could qualify for an ISO–related certification for avionics, railways, automotive, and FDA—ISO certifications for Healthcare:YRI–QVGE–PC–TABLET.

1.1 National Identification

1. A system allowing any of the 3 documents cited below as valid official identification for any official or inofficial activity shall be implemented in Central CEMAC:

   1. ***Valid NATIONAL IDENTITY CARD***
   2. ***Valid PASSPORT CEMAC—CEDEAO***
   3. ***Valid bank account id.***
   4. ***ALL PERSONS working with weapons or force by law have to be identified with names on badge wherever they are outside of their working places.***

   A bank account id IS in effect linked to a Valid national identity card.

   "*"MOÏSE YAMKAM TEBIWO (Mtn–network: 6 75 66 24 87)" for instance, a cousin paternal "French—germain" of mine, Could afford for a law school with a bank account that wasn't really linked with his by birth official IDENTITY documents !*"

   MOÏSE YAMKAM TEBIWO (Mtn–network: 6 75 66 24 87) also possesses a diplomatic passport at least or equivalent because he also works for MINREX.

   IN effect, "MOÏSE YAMKAM TEBIWO (Mtn–network: 6 75 66 24 87)" was a diplomat before joining the LAW-school in LAGOS–corrupt.

   I could notify this since the law school of lagos he attended didn't issue for a certificate with exact same official birth identity names as written thereof.

   THIS COUSIN OF MINE IS A CRIMINAL in all systems of justice worldwide.

2. 1 system, computerized, and / or, a text registry book shall be created to register any Cameroon citizen with no need for any citizen to walk around with a national identity card.

3. There are some drawbacks as for instance mentioned on the website of FREE SOFTWARE FOUNDATION, in the United States of America (USA), to have a centralized registration system for citizen or People living inside a country !

4. *"A gervais nana (gersatelgmail.com)" I know somewhere in YDE, seems to be connected as a free-mason to* ""MOÏSE YAMKAM TEBIWO"" .

   "GERVAIS NANA" *must be investigated since I know "TEBIWO–YAMKAM–MOÏSE" Is a murderer in all systems.*

5. I remember having an issue with a screen of a laptop I bought to a place (GERSATEL) owned by *"Gervais NANA"* ; after 1 day, A blur appeared on the screen and I wasn't reimbursed.

6. ***It seems "WELADJI" a burglar that I went with at Gendarmerie D'AKWA–SUD in*** 2023 ***because he apparently tried to steal*** 20, 000 ***FRANCS as a non used money for a purchase item that I ordered from his shop at DLA–douala–bar;***

   "WELADJI" ***WAS NOW in position in another shop where I started buying stuff for my customers.*** "~~Moubeb Jean~~" ***is working just at opposite side of this computer hardware shop in Douala: "COLLEGE INTEG".***

7. *"~~ISAAC TEUNTCHOU–poltron–peggist~~"* , a father in law of 1 uterine sister of my person; *"~~Ingrid NOUMBISSI TCHITCHUI (heiratet (SPOUSE): Dipl.–Ing. (FH)–CHANDRIAND Teuntchou Noumeni, MSc.)~~"* is trying to hijack from my propriety all my real–estate.

8. Double citizenship with following countries that harasses honest Cameroonian like myself shalln't be allowed:
   - Canada
   - United States of America (USA)
   - Germany
   - Any country where a gay–homosexual–marriage is pronounced in a so–called *"JESUS–OF–NAZARETH"* congregation: I.E: such a country shall be considered a scam *"(LEVITICUS 20 : 12 – 13, and Romans 3 : 26 – 28) !"*

     SIMPLICE-kameni and alike people must be imprisoned.

     HIJACKING properties and down–casting businesses of elite–intellectualist from abroad like myself and others I may not even know about is what make them have a life luxurious around C.P.D.M and SED-yves-landry-galax-etoga-idiot; so called secret–services.

     " *THERE is also another "negger" working on behalf of simplice-kameni as LEAD of the so-called–cocaine-reseller wood-factory S2T-BED, called IDIOT-repeating-christian-signs; that behave like so–called* ***"TONTON-makout' in HAITI-movies;*** *(*`https://WWWURL`*) YOU see this kind of people that kills under behalf of a politician like BIYA; AND that you cannot even prosecute because there is no whereabouts of his origins or identities here in Cameroon-official-Communaute-URBAINE-de-YAOUNDE.* "

     " ***!! ALSO this biya–cpdm–gang against a proper african descendant on AFRIKA–soil Has a motto: ABSURDITY !!!*** "

     FACTS:

     1. kill where life is supposed to be saved;
        Example: USE your own blood-giver to hijack your life and properties [REFERENCE.]

        HOSPITAL is used to destroy lives.

     2. destroy where it is supposed to be killed;

        POLICE and ARMY kill people that go to them for seeking help after being robbed or whatsoever here in AFRIKA;

        so called UNITED–nations (`https://www.un.org`) are only a replacement for colonies by white–supremacists.

   - IT seems it is cameroon-cpdm-people who are UNITED nations workers here in CMR; HERE.

9. *"NESTOR KENFACK, VALERIE KENFACK"* shalln't be harassed since they support very well people like myself by promoting computer services of "YERITH R&D ".

   "N.K. quincaillerie" DOESN'T have any name poster on top of his offices-premises anymore because of them trying not to be harassed because of my personal opinions in CHRISTIAN–faith.

2.2 JUSTICE and PAST-MEMORIES to heal in Cameroon

1. [Dr. PAUL Siméon nomo, from MONATÉLÉ came to my private house in YDE–AAHALA, to arrest illegally without any notification or whatsoever; using a firefighter truck and 3 firefighter to molest myself in front of several neighbors so to discredit my life as a peaceful citizen of Cameroon.]
   HE seems this criminal assassin from BIYA private places is now living in Maryland, USA; since I went back to Canada to resign from CANADIAN–shit citizenship.

   Another cousin of mine so called "[Rodrigue Alain Sienchie]", told me that 1 day armed soldiers with uniforms came to arrest him in the house of his parents, sent by "[Dorothée SHANDA NDJATIE OWONA]"; THEN went to sodomized him at LAQUINTINIE HOSPITAL.

   "SO I SUSPECT this criminal LAURENT TCHANDEU DJATIE DOROTHÉE OWONA to have sent to my private house in Yaounde in 2017 this 'so called baptist church pastor Dr. SIMEON NOMO, PSY.D.'."
2. "Eyoum Chritian" idiot's immunity of justice because he is a psychiatrist Must be investigated !
3. 'S2TBED', finally repairs our main common road: They destroyed a previous road with LATERITE so much that IT must be fixed with concrete !
4. 'S2TBED', biya's illegal industrial forestry enterprise society, an illegal neighbor of "Immeuble YERITH" of mine, IS constantly disrupting electrical energy current supply.
5. ALL my real estate in Douala (3 3-bedrooms apartments) need to be released by a genitor of mine THAT is not anymore wanted in my life because of all atrocities SHE CONSTANTLY commits with SHANDA GREGROIRE OWONA Wolfgang TCHAMOU angela ndjatie. !!!

   SISTER'S of Rose Sangnou my genitor, Dorothée Shanda Ndjatie, IS CONSTANTLY harassing her to take me to any psychiatric institute by force, Even though there is already a criminal investigation against her and Rose Sangnou at DLA-ndokoti justice palace; DOROTHÉE is a criminal PERSON !
6. 'MADO's brother CAPTAIN pierre marcellin emana nkoa' must reimburse back my 210 000 FRANCS since SEMIL (Sécurité Militaire) told me in 2016 THAT THEY CANNOT convoke them SINCE receipts were signed by his cousin "JEAN-DE-DIEU onana".

   "MY NEIGHBOR CARINE LELE NJOUGEP TCHANA", seems to be here because of them, so to deteriorate the quality of life of legal people living here, and promote their own-beings through propaganda LIKE 'it seems THE colonel living THERE above of the hill IS the one that FIXED the road leading to your compound !
7. JUSTICE FOR BREAKING AND torturing myself ('Xavier noumbissi Noundou (Pr. Prof. Dr.–Ing.)') in front of at least 17 people in front of my inherited personal domicile in Douala–Béedi-Cite-des-Palmiers MUST be finalized before Cameroon election 2025.
8. 'JUSTICE president and certain types of judges must be apolitical: I.e.: THEY CANNOT BELONG TO A POLITICAL PARTY !
9. ***MARTINEZ ZOGO assassin AMOUGOU BELINGA justice criminal court must be finished before Cameroon election** 2025.*
10. ***PEOPLE responsible for the drama of Edea Railway Failure in .. MUST be judged in a civil criminal court before Cameroon election** 2025.*
11. ***MILITARY SOLDIERS that killed about "**7 **women and their teddies in north Cameroon must be judged."***
12. "***EDGARD ALAIN MEBE NGO'O***" ***criminal procedure in military justice courts must be achieved before Cameroon election*** 2025.
13. ***Military Soldier must have their own facilities and amenities in cities, and not mixed intermingle anymore with civilians, AS THIS IS CURRENTLY THE CASE when they DON'T wear military attire uniform !***
    In fact, MILITARY SOLDIERS or Alike don't have a same behavior justice as civilians; Not talking about habits and gesture.
14. ***Bepanda drama because of 'general MPAY' must be re-covered in a justice palace court of civilians and / or military justice !***

3.3 ACADEMY and Technology Research Institutions

1. Promote creation of research centers for solving problems located specifically in central west Africa:
   1. Another source of revenue for CMR
   2. Improving life conditions for CMR and neighboring friend countries.
2. Enable a financing WITH non reimbursement option for doctors in science and / or engineering.

4.4 Employments and JOBS creation for adult people

1. THERE must be a minimum amount of jobs offer for each society that was funded by the government for researching and improving life quality in CMR and neighboring countries.
2. ***WOMEN that are selling goods outside of their home like "CAROLE mangue" (la fille de "MA–bernadette" au sécrétariat-détat-yves-idiot.) shalln't be part of SED or any governmental secret or not agencies !!!***

   THIS culprit shall also try to not resell goods that were illegally imported into CMR.
3. ALL PEOPLE that were trained by the BIYA–regime as illegal para–military personal, MUST go into peace-keeper corps organization of the UNITED NATIONS or somewhere else so to keep cities and villages free of fire and all other destructive people.

   FOR instance people like "PASCAL dayang", working at "S2TBED" of the culprit franck–biya has insinuated to myself that HE will disrupt any business activities that I–doctor–of–engineering Xavier NOUMBISSI NOUNDOU will perform in my compound !!!

   ["S2TBED"–"PASCAL dayang mercenary SED soldier" as threat in CMR !!!]
4. Transform all wood factories within city of YAOUNDE in computer desktop and / or laptop assembly production units

5.5 JUSTICE and DIVINITIES

1. ***Destruction of all secret services units in Cameroon !!***
   1. "OUATTARA people shall not anymore be opponent to christian people here in Cameroon as it is the case with Shanda–TONME jean claude" presently.
   2. People like SHANDA OWONA harass other people because they feel as safest as possible because of some kind of impunity based on their appurtenance to DGRE special unit forces ("JEAN CLAUDE shanda tonme and spouse" weren't for instance infringed in DLA–NDOKOTI palace for breaking into my compound, closed at night, with around 9 burglars; So called Technicians of "PSY–laquintinie"; around 23 : 30 at night while I was sleeping IN february 2021 in DOUALA).
   3. Politicians shall be reduced to be people applying criminal and civil laws instead of people trying to make their own ideas come through via ENTERING private life of people like "Shanda TONME jean claude" has done in the past 30 alike years with my personal family and life ('Family NOUNDOU michel', and 'Family JEAN NGONGANG') !
   4. 'SEMIL' and special alike units of Cameroonian army shall be dismantled because of reported proved or not really ATROCITY facts.
   5. 'SEMIL', 'DGRE', 'SED', etc.; all former people wearing weapons shall be displaced into military caserns so to avoid mixing MILITARY alike people with civilians !
   6. IMPUNITY of all people wearing weapon must cease with tribunal applications of criminal laws.
2. ***Create an electoral public and common website for all information, and / or official application documents for all elections in Cameroon !!***
3. ***Create a website for publication of all laws in Cameroon; including presidential decrees, acts, and / or acts, and so on ...!***
4. ***Reforming judicial system with computer software digitization so to PROMOTE equity and justice by laws !***
5. ***EACH CITIZEN or person living in Cameroon SHALL officially declare its lifestyle philosophy and / or religion at a 'Chefferie De Block' when moving inside that area of the city !***
   a. This enables to solve issues based on this declaration in a fairly manner, according to a new reformed judicial criminal law system !
6. ***PROHIBIT any type of religious or associations that don't have well openly presented and written codes of laws, Abiding to CAMEROON criminal laws !***

6.6 TRANSPORTATION and CITIES transportation

1. ***Reduce airplane travel costs between cities in Cameroon.***
   INSTANCES:
   a. {DLA ⟶ YDE} with one way at 12 000 FRANCS.
   b. {YDE ⟶ $BAFOUSSAM$} with one way at 18 000 FRANCS.
   c. Etc..

7.7 Technology And Development

1. ***Schooling shall be created and managed to be in harmony with Religious, and / or Philosophy lifestyle of parents that intend to have children in a school; BOTH primary and secondary.***

   UNIVERSITIES could mix students of all horizons: so the student and leaders of next Coming Cameroon could learn how to live harmoniously.
2. ***State schools for civil servants shall be banned in favor of UNIVERSITY education and of an additional training on the job when hired !***
3. ***Universities shall be autonomous and not depend anymore of the PRESIDENCY OF THE REPUBLIC***
4. ***Create an industry for solar electrical energy with cars and buses as consumers in a lapse of time of 12 years starting*** 2026.
5. ***Assemble DIGITAL computers in Cameroon in less than*** 12 ***years of presidency.***

8.8 MARRIAGE and INTER-PERSONAL sexual corporal Relationship

1. ***PROHIBIT sexual actions IN OUTDOOR by laws.***
2. ***REMOVE TRADITIONAL SYSTEM of justice because of its unfairness; Based on WOMAN precedence in power:***
   a. SINCE Christians don't need to marry to a woman or any gender, as described in 1 CORINTHIANS 7 : 38 − 39 !
   b. SINCE people could stay without marriage, In Christianity, marriage is THE EXCEPTION, But not a sin;
   c. Any person that is not married and that is a born-again Christian cannot be managed by a married person ! THIS is because A MARRIED person couldn't qualify to understand a life at a certain level as He is living constantly with another gender !
   d. People that have marriage in traditional system normally cannot undergo a civil marriage in a christian church (I.E: TRADITIONAL system allows for Impudicity, Which is prohibited in Christianity !).
   e. Born–Again Christians don't marry at all in any type of marriage !
   f. "SHANDA–TONME jean claude's first and last son": Late (justice of attorney) "Me. Shanda Sanou Cabral Patrice" was apparently killed brutally since his body was missing from people assisting SHANDA's family for obituaries.
   g. "'HIS (jean–claude shanda–tonme) OBITUARIES in next coming years must not be public since He hasn't been a good citizen for at least hundreds of young cameroonian" that I have hear about for the last 12 years since I started by immigration process back to my homeland country Cameroon of C.P.D.M–R.D.P.C !
3. ***Automatic Splitting OF INHERITANCE after parental death between children***: Because there are a lot of troubles to leave this task to a family with not enough money for paper and bureaucracy work at notary justice palaces !
4. ***LEGALIZE homosexual UNION.***
   a. People in this union cannot have children adopted from another non-homosexual union at ALL; AND VICE–VERSA for couple married in non-homosexual life style !

9.9 MUNICIPALITY Reform (AND WASTE and DISPOSAL of garbage)

1. ***chefferie de block: This administrative territorial unit is based on traditional tribal lineage !*** THIS SHALL BE ENDED AS EACH CITIZEN is subject to the same civil law:
   1. currently, a 'chefferie de block' is based on common and traditional law. Since common law has precedence over tribal traditional law, A CITIZEN living must be subject only to COMMON CIVIL LAW where he is living, OR NOT.
2. ***There shall be created AN INDUSTRY for recycling and displacement of waste–garbage USING ecologic burning container:*** Each "chefferie de block" shall have its own burning destroying waste–garbage ecologic container.
3. ***There shall be at least*** 1 ***municipal playing and recreational area of at least*** 400 m^2 ***in each city quarter ("quartier").***
4. ***There shall be at least*** 1 ***municipal library in each city quarter ("quartier").***

Visited Countries / Organizations for Professional Training

- **UNITED STATES OF AMERICA (U.S.A)**
  - SIEMENS Healthineers (OCS – Varian), CONCORD, CALIFORNIA, U.S.A (JANUARY 2008)
  - SRI International, MENLO COLLEGE, MENLO PARK, ATHERTON, CALIFORNIA, U.S.A (May 2011)
- **CANADA**
  - UNIVERSITY OF WATERLOO, WATERLOO, ON, canada (2009 – 2015)
  - MITACS ONTARIO, University of Waterloo, Waterloo, ON, CANADA (October 2012)
  - CASCON (IBM CENTRE FOR ADVANCED STUDIES CONFERENCE), Hilton Suites Toronto/Markham, Conference Centre, Markham, ON, CANADA (November 2010)
  - PLDI conference (Programming Languages Design And Implementation), Toronto, ON, CANADA (November 2009)
  - Graduate Management Admission Test (GMAT) PREPARATION COURSE, CONCORDIA UNIVERSITY, MONTREAL, QUEBEC, CANADA (June 2007)
  - Graduate English Training Course, UNIVERSITÉ DU QUÉBEC à MONTRAL (UQAM), MONTREAL, QUEBEC, CANADA (AUGUST 2009)
- **GERMANY**
  - UNIVERSITÄT BREMEN, BREMEN, GERMANY (2001 – 2007)
  - SIEMENS Healthineers (OCS – Varian), ERLANGEN, BAYERN, GERMANY (2007 – 2009)
  - SIEMENS Healthineers (OCS – Varian), HEIDELBERG, BADEN–WÜRTTEMBERG, GERMANY (2007 – 2009)

DOCtoral RESEARCH & WORK REPORTS OVERVIEW

This section reports and summarizes all efforts I have made throughout my Time at The University Of Waterloo as a 'Ph.D. candidate'. THIS page links and connects 5 years of academic and professional research I HAVE been spending at the white–asian–white racist extremist university of waterloo in ontario, CANADA.

20.20 Years of PRE–Doctoral & years of Doctoral Research at University–racist OF waterloo, ONTARIO, CANADA

- *Contacts with NORTH-AMERICAN scientists*

- *Contacts with other Scientists*

- *Issues & MISUNDERSTANDINGS at the University of Waterloo, Ontario, Canada*

- *TIME at the University–racist-of-BREMEN, BREMEN, BREMEN, Germany:*
  1. "2 years" STudent Software Developer PART–TIME job – Bergmann Automaten GmbH (now Gewete GmbH), Germany.
  2. *"2 years" WERKSTUDENT at ZMML–university–sexist-racist of bremen, BREMEN, GERMANY.*: February 2003 – February 2005.
  3. *"4.5 years PRE–time" in GERMAN–racist program* : ""DIPLOM–INFORMATIKER (MASTER OF SCIENCE EQUIVALENT)"[1]".

- *Doctoral years of research at the university–racist of waterloo, ontario, CANADA–idiot:*
  1. *"2 years PRE–time" at SIEMENS–idiot medical solutions.*: November 2007 – JULY 2009.
  2. PAPER conference peer reviewed : OOPSLA 2010.
  3. GIVEN PREsentation : IBM CDp Cascon 2010.
  4. Visited courses.
  5. *Independent assisted research summary as a "Master of Science (M.Sc.)"*
  6. *VISIted SUMMER-school /workshops / conferences summary*
     ["1st SUMMER SCHOOL on FORMAL techniques"–2011] | [PLDI 2009] | [IBM CDp Cascon 2010]
  7. PSYCHOLOGICAL–Care with PRACTICE of SWIMMING at THE university–racist of waterloo every other day during almost 4 years – "Degree–Swimmer–5 / degree–MASTER–Swimmer–6" successfully attended.
  8. "Year 1" : 09/2009 – 08/2010;
  9. "Year 2" : 09/2010 – 12/2011 – [*with PhD Comprehensive Examination.*];
  10. *Doctoral THESIS Presentation / PhD Comprehensive Examination on "December 20, 2011"*

- *QUAlification as a "Professional Engineer in Ontario, CANADA"*:

  THE requirements to qualify myself as Professional Engineer in ONTARIO are all met after 1 year supervision under PATRICK LAM ″(2011)″; because I have already 48 months of professional engineering work experience before entering the professional academic doctor of engineering program in ELECTRICAL & COMPUTER Engineering at university–racist–white of waterloo.

  "*AS a "doctor PhD in electrical & computer engineering" graduate* ***[abbreviated "Dr./PhD" in French; In french, "Dr./PhD" only nowadays means doctor in engineering; and no fellowship at all; I AM A FRANCOPHONE.]****; THERE shouldn't be any need to again acquired a professional designation "Professional Engineer", since "doctor PhD in electrical & computer engineering" is already an Engineering titled degree. So as a francophone from dark–afrika–heimat, I am not interested anymore in any Engineering, or whatsoever designated vocational position in whiteist–world !*"

  "*ALSO as a born–again christian, I CANNOT BE member-ed in any fellowship of iron–rings, female–peggist; etc. .*"

  "*JON eyolfson for instance has a "Bachelor–of–Engineering"; so he doesn't need to apply for a "Professional Engineer"; BUT [Wenzhu–man has a "Master of Applied Science (MASc)"]; AND no "Engineering titled degree from CANADA and /or USA"; SO for her needs she must apply for P.Eng.; so to get government oriented positions !*"

POST–DOCtoral RESEARCH & WORK REPORTS OVERVIEW

This section reports and summarizes all efforts I have made throughout my Time at The University Of Waterloo as a 'Ph.D. candidate'. THIS page links and connects 5 years of academic and professional research I HAVE been spending at the white–asian–white racist extremist university of waterloo in ontario, CANADA.

21.21 Years of POSt-doctoral Research; a Summary Report – 2nd page

- *POst–Doctoral (Ph.D.; Prof.) years of research at the university–racist of waterloo, ontario, CANADA–idiot:*
  1. "Year 1": 01/2012 – 08/2012 – [*PRofessional Internship at IBM Toronto–idiot Software Lab.*.]
  2. "Year 2": 09/2012 – 08/2013
  3. "Year 3": 09/2013 – 08/2014
  4. "Year 4": 09/2014 – 04/2015
  5. STUDENT advising summary
  6. TEACHing assistantship summary
  7. *Independent & Collegiate Research Summary as "Dr.–.Ing. (PhD)"*
  8. Visited courses as post–doctoral (POST–DOCTORAL STUDIES) fellow.
  9. *VISIted ONLINE courses /workshops / conferences summary*
     [Software-Security–online–"stanford.edu" 2013] | [MITACS ONTARIO 2012] | [ICse 2012]
  10. RESEARCH outcome hindrance
  11. RESEARCH outcome plagiarism
  12. RESEARCH outcome plagiarism-continuED
  13. GIVEN–co–taught courses at the University–racist of WAterloo in ONTARIO, Canada
  14. ACADEMIC HELP from other people aside from DEAR-idiot PATRICK-lam
  15. *!!! PhD Research Seminar TALK. as an ECE graduate talk. !!!*
  16. *!!! PhD Dissertation Defense at DAVID R. Cheriton School OF Computer Science in "January 2015" !!!*
  17. *IAI–cameroon–bande-d'idiots au service d'1 B.E.P.C–chantoux*

- *[TRAINING on the job of young engineers]*:
  - Runtime monitoring for Web Apps
  - API usage rule checking for 'C' programs

- *STARTUP entrepreneurship research & development project* YERITH–ERP–9.0–PLATINUM:

  After I left the university–racist–of–waterloo in ontario, IN MARCH 2015; I went to live in Cameroon–yaounde for almost 2 years, working on a free and open source software for Enterprise Resource Planing (ERP).

  POST–Doctoral Research at YERITH **R&D** *since October 2015:*

  I) A realtime component (for operating system DEBIAN LINUX) is in preparation for trading stock exchange erp system "**YERITH–ERP–9.0–TRADING–REALTIME**": YERITH–ERP–PGI–9.0–RT–SYSTEM;

  II) A RUNTIME monitoring verification "*state diagram mealy machines* (SDMM)" C^{++} Library :
  YRI–DB–RUNTIME–VERIF *(https://www.zenodo.org/records/10474033)* [?b]

  git https://www.github.com/yerithd/yri_sd_runtime_verif

  III) A RUNTIME monitoring verification runtime container for "SDMM" :
  YRI–DB–RUNTIME–VERIF *(https://www.zenodo.org/records/10474033)* [?b]

  git https://www.github.com/yerithd/yri-db-runtime-verif

  IV) A State Diagram Mealy Machine (SDMM) translator–compiler :
  YRI_SD_RUNTIME_VERIF_LANG_COMP (https://www.archive.org/download/yri_ictss_2023/yri_ictss_2023.pdf)[?d]

  git https://www.github.com/yerithd/yri_sd_runtime_verif_lang

  V) Simple to use and pragmatic Enterprise–Resource–Planing (ERP) software :
  YERITH–ERP–9.0–platinum (https://www.zenodo.org/record/8052724/) [1]

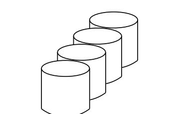
  git https://www.github.com/yerithd/yerith-erp-9-0

22.22 WEB PAGES HTML and others Generation with YERITH–WEB–PAGES–GENERATOR–9.0

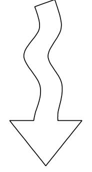
22.22.1 *Motivation*

Figure 1: A SOFTWARE architecture overview of YERITH–WEB–PAGES–GENERATOR–9.0

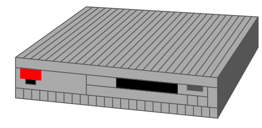
Yerith–web–pages–generator–9.0–DSL script files



Flex, Bison
Yerith–web–pages–generator–9.0–DSL Translator



HTML / CSS / PHP / Javascript, etc. generated files



YERITH–WEB–PAGES–GENERATOR–9.0 is a novel project that constitutes the base for YERITH–ERP–PGI–9.0–WEB–SYSTEM that endeavors to create web sites solutions for entrepreneurial organizations that use YERITH–ERP–9.0–PLATINUM without much additional programming of web interfaces and / or interactions; AT such, web sites solutions for entrepreneurial organizations will emerge as easy as pressing a button.

YERITH–WEB–DSL–9.0 is a Domain Specific Language to describe WEB SITES programmatically so to automatically generate STATIC DYNAMIC WEB SITES BASED ON HTML (HYPERTEXT MARKUP LANGUAGE) AND CSS (Cascading Style Sheets) language constructs.

Numerous companies in Cameroon might evaluate this new research software system product to simplify and speed up their software development process:

1. "Dr.–Ing. PAUL dayang (2013, University of Bremen)"; currently employed at the University of Ngaoundere in Far Nord of Cameroon.

   This researcher and lecturer, employed by the University of Ngaoundere, has never replied to my long time email as an alumni of the prestigious University of Bremen in Germany where I graduated with a "Diplom–Informatiker degree 2 years before him !"

   I could see he started a web graphical system (also with "ANDROID–google platform" (`https://`)) html-based to promote online afore–provisional shopping of food provisions in Africa for its dissertation as a "Doctor of Engineering". I was sad not to see this project emerge as a commercial start–up here in Cameroon where there is only "www.cm.coinafrique.com" (`https://www.cm.coinafrique.com`) that I deem as a serious competitor in this era of work.

   I believe the programming abstraction I will provide for "DAYANG and ROEDIGER (`https://www.informatik.uni-bremen.de/~roediger`) work" would help them both in "Ngaoundere" and in "Bremen" to promote Free and Open Source web shopping for Africa where even a clean market is not existing in Main city Yaounde !

   AT the university of bremen–white–racist, I Visited a course titled ***"E–business technologies** 2"*; I don't remember the name of the professor but I DID SO while I WAS in my 3rd year as part of so called "ANGEWANDTE INFORMATIK" ("Applied Computer Science"). IN graduate level course ***"E–business technologies** 2"*, I learned about *n*–tiers web architectures, SOAP-Service Oriented Architecture Protocol, etc.

   ALSO, in my 2nd year, there was a small "practicum" where I learned on PHP, and MariaDB; "ERIC–cuon-pd STREIBL" was the organizer.

2. " "DUT–Diplôme Universitaire de Technologie" CHRISTIAN ngueyong rikong" (Start-Up)

   CHRISTIAN ngueyong rikong is a seasoned software developer that creates large to medium-sized websites; AND Google–android mobile applications for his clients around world.

   "***CHRISTIAN rikong ngueyong, that I schooled with in Douala secondary school — "ALFRED SAKER HIGH SCHOOL" — would also not be against such a tool–framework that could reduce his development time and effort, since BLACK–USA entrepreneurs cannot afford tremendous amount of money for tools sold by MICROSOFT CORP., FACEBOOK INC., etc. !*** " (`https://www.christianrikong.com`)

3. "Dr. (B.Sc.) Claudel Noumbissi" (Start-Up)
4. "Ing. (B.Sc.) Arthur Zang" (Start-Up)
5. "Dr.–Ing. (Ph.D.) Ibrahim Nguena Moukouop" (Start-Up)
6. "Dr.–Ing. (Ph.D.) Thomas Djotio Ndié" (Start-Up)
7. "Santa Lucia – AHALA", Yaounde
8. "DR. (M.Sc.) Fabrice Wilfried Siemeni" (Start–Up):

   Fabrice WILFRIED siemeni could generate sample website pages with no programming knowledge at all.

   "*HIS medium-sized Start–Up believes that the physician of the future would be just a very good "natural food nutritionist". AND I AGREE with it.* " (`https://www.maligah.com/STARTUP...`)

   BERNADETTE noundou, an aunt paternal of mine could also be 1 of his client since both are from RCMP.

   Dorothée SHANDA NDJATIE owona also seems to be 1 of his competitor in pegging toronto–rcmp–jules–nteta–noundou; A junior brother of my late father THEODORE–idiot–noumbissi.

9. etc.

22.22.2 RELATED WORK at YERITH R&D; *Software System Architecture of ERP Systems*

"Our paper not for publication in a conference paper, *SOFTWARE SYSTEM ARCHITECTURE OF YERITH–ERP–3.0*[12] : (https://www.archive.org/download/yerith-erp-3-0-software-system-architecture_20221230/YERITH-ERP-3-0-SOFTWARE-SYSTEM-ARCHITECTURE.pdf); reveals common web system architecture patterns and structure, INCLUDING (*CYBER-SECURITY*[1?]) software system security vulnerability analysis; As observed these last 10 years at least from "November 8, 2024"."

[*"WE have visited, in year 2013, an online software security vulnerability detection and protection course with the STANFORD–university–racist while attending our degree [DOCTORAL PH.D.–program at the University of Waterloo;] THIS required acquired knowledge helps us creating safe and secure software systems by Construction."*]

""Qt 5 software development platform" enables auto–deployment for Android–google platform." (https://)

"We plan at mid–term to be able to generate "Software architecture proof testing–programs", both for GUI–interfaces (thick–client), and Web–interfaces (thin–client); automatically just by specifying certain behavioral interactions using state diagram mealy machines (SDMM[?d])."

"The so–called "Software architecture proof testing–programs" will have certain warranties about cyber-security, runtime–memory usage and user–defined usage rules."

22.22.3 *Implementation Technologies*

I use "flex and bison compiler / translator generation technology" for creating YERITH–WEB–PAGES–GENERATOR–9.0–DSL. I plan to automatically generate code for enabling runtime monitoring of the generated web sites. A first version of this FOSS (Free And Open Source Software) is available at URL: "git https://www.github.com/yerithd/yerith-web-pages-generator-9 ".

22.22.4 YERITH–WEB–PAGES–GENERATOR–9.0–DSL *Keyword Table*

Figure 2: Webbrowser–based software architecture : at least 4 layers logical software architecture (Image copied from online pdf paper "FlashCache: A NAND Flash Memory File Cache for Low Power Web Servers" [*https://doi.org/10.1145/1176760.1176774] by Trevor et al.*)

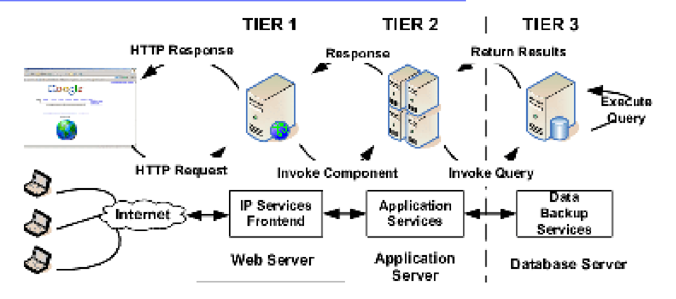


Table 1: YERITH–WEB–PAGES–GENERATOR–9.0–DSL keywords and meaning.

YERITH–WEB–DSL–9.0 keyword	(level) Nested in keyword	Programming related meaning
1. yerith_web_pages_generator_MAIN		Contains web site all pages description
2. web_html_page_menu_bar_headers	(1) yerith_web_pages_generator_MAIN	Contains web site each page menubar pages names
3. web_html_page	(1) yerith_web_pages_generator_MAIN	A HTML page description
4. yri_html_page_title	(3) web_html_page	A HTML page title
5. yri_html_page_input_header_menu_bar	(3) web_html_page	Inputs a menubar onto this HTML page
6. yri_html_page_text_SECTION	(3) web_html_page	Describes a text section on a HTML page
7. VARIABLE_YRI_PARAGRAPH	(6) yri_html_page_text_SECTION	Defines text paragraph within a HTML page
8. text_yri_font_size	(1) yerith_web_pages_generator_MAIN	Defines a font size
9. text_yri_width_box	(1) yerith_web_pages_generator_MAIN	Defines a width for a text paragraph

Table 1 depicts and explains commands and directives for creating web–based HTML pages sites.

We plan also the generation of web sites based on an ***"n–tiers architecture pattern"***, illustrated for instance in Figure 2; that demonstrated solid resistance in practice for more than 10 years now as demonstrated by applications server existence and usage such as:

1. **Apache tomcat application server**
2. **Glassfish application server**: mainly used in combination with Java OSI component–based software development architecture.
3. **Quercus PHP server interpreter application server**
4. **IBM websphere**

All this work has to solve the issue of generating certain portion of web sites for customers and users of "YERITH–ERP–9.0–PLATINUM"[1] Enterprise Resource Planing software in a time period in-between of 3 years from this year 2024.

"ALL THIS UNDER THE PROTECTION OF OUR LORD AND SAVIOR JEOVAH–NISSI IN HEAVEN."

12.12 Software Verification with *YERITH_QVGE*

A library or plugin at any layer (OR a combination mixture of layers) of a software system architecture could be verified and validated using YRI–DB–RUNTIME–VERIF by applying a receipt: IT would be sufficient to map each system call wanted for call sequence verification and / or validation to a MySQL query: So one doesn't need to re-create new QT-Dbus interfaces for YRI–DB–RUNTIME–VERIF: E.g.: "SYSTEM V libc".

Figure 3: Software system architecture of YRI-DB-RUNTIME-VERIF: it is also a runtime monitor container for software verification.

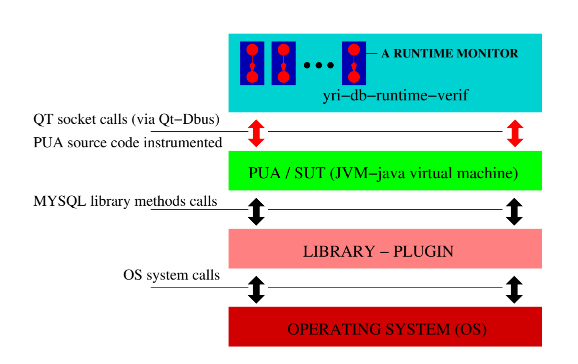
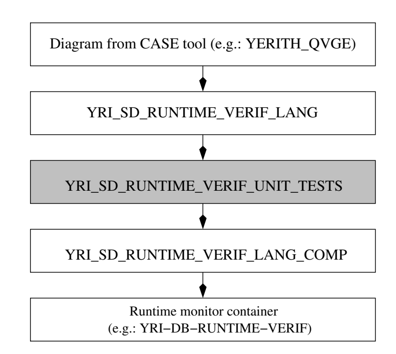


Figure 4: YRI_QVGE software stack dependencies.



2. Create **A FRAMEWORK FOR DYNAMIC** runtime analysis and monitoring of Temporal Safety Property in Plugin-based software (***Figure 4 illustrates graphically interdependency between these under described sub-projects.***).

a. **YRI_QVGE (an extension of Qt-QVGE)**: A "CASE (computer-aided software engineering)", CLOSED SOURCE CODE SOFTWARE (CSCS), for creating and generating MEALY MACHINE STATE DIAGRAMS as GUI (GRAPHICAL USER INTERFACE) TOOL. [06/2022 – *CURRENT*]
[*model-based testing, DSL – domain-specific languages*]

"*THE GUI TOOL YERITH_QVGE (See Figure 7) GENERATES A FILE CONTAINING A MEALY MACHINE STATE DIAGRAM SPECIFICATION using YRI_SD_RUNTIME_VERIF_LANG; this file could be used as input for the compiler YRI_SD_RUNTIME_VERIF_LANG_COMP, so to gather a C^{++} package to run as runtime monitor within YRI-DB-RUNTIME-VERIF. THIS TOOL COSTS 2,500 EUROS.*"

b. **YRI-DB-RUNTIME-VERIF**: A Dynamic Program Monitoring Recovering Analyzer Generator for any software emitting QtDbus messages per sockets (See subsection 12.12.3 (Runtime Verification), and / or Figure 8).

"*THIS IS at time (November 8, 2024); State–of–art technology; comparable technology are for instance RT–Tester with TDIOHS (Timed Discrete Input / Output Hybrid System); State Diagram formalism From "VERIFIED SYSTEMS INTERNATIONAL GMBH, SPIN–OFF THE UNIVERSITY OF BREMEN" (RT–Tester, MBT[1]). **TDIOHS complies fully with all semantic elements of HAREL–statecharts !***

"*AND technologies "IBM Purify Plus"; "LOGSCOPE" ("Specification–Based Monitoring in C^{++}") and "DejaVu" ("DejaVu: A Monitoring Tool for First-Order Temporal Logic") by '[Dr. Klaus Havelund] at N.A.S.A'.*"

- **YRI-DB-RUNTIME-VERIF**: git https://www.github.com/yerithd/yri-db-runtime-verif

c. **YRI_SD_RUNTIME_VERIF_LANG_COMP: a compiler using flex and bison, for YRI_SD_RUNTIME_VERIF specification language (YRI_SD_RUNTIME_VERIF_LANG), so to automatically generate C^{++} code for runtime monitors implemented in YRI-DB-RUNTIME-VERIF.** [04/2023 – *CURRENT*]
[*compilers, model-based testing, reactive system analysis, domain-specific languages*]

"*COMPETITORS from LOGSCOPE and DejaVu; AND RT–Tester, MBT[1]; have similar description state diagram language; but work all of them as SPECIFICATION OF WISHED PROGRAM BEHAVIOR; whereas SDMM[?d] works at SPECIFICATION OF FORBIDDEN (fail) PROGRAM BEHAVIOR.*"

- **YRI_SD_RUNTIME_VERIF_LANG_COMP**: git https://www.github.com/yerithd/yri_sd_runtime_verif_lang

d. **YRI_SD_RUNTIME_VERIF_LANG: A SPECIFICATION LANGUAGE FOR STATE DIAGRAM MEALY MACHINE (SDMM) extended with pre- /post-conditions on STATE DIAGRAM TRANSITIONS and with a final state.** (https://www.zenodo.org/records/13232567) [04/2023 – *CURRENT*]
[*model-based testing, reactive system analysis, domain-specific languages*]

"*In comparison to statecharts ["Statecharts: a visual formalism for complex systems" (https://www.bibsonomy.org/bibtex/2462cc2a9db87a5788c405cc577968d5f/rnesselrath)] which is a* **visual formalism** *for states diagrams,* ***YRI_SD_RUNTIME_VERIF_LANG doesn't support at time for instance the following features: hierarchical states (composite state, submachine state), timing conditions.***"

- **YRI_SD_RUNTIME_VERIF_LANG_COMP**: git https://www.github.com/yerithd/yri_sd_runtime_verif_lang

e. **YRI_SD_RUNTIME_VERIF_UNIT_TESTS: UNIT TESTING PROJECT for YRI_SD_RUNTIME_VERIF.** [06/2022 – *CURRENT*]
"*THIS test unit suite is there to check peculiarities of project YRI_SD_RUNTIME_VERIF; As a Free And OPEN SOURCE CODE SOFTWARE (foss), I strongly recommend using it before committing changes to the main git-branch project.*"

- **YRI_SD_RUNTIME_VERIF_UNIT_TESTS**: git https://www.github.com/yerithd/yri_sd_runtime_verif_UNIT_TESTS

f. **YRI_SD_RUNTIME_VERIF / YRI-DB-RUNTIME-VERIF: a framework for verifying SQL software correctness properties of gui software at runtime** [06/2022 – *CURRENT*]

[*model–based testing, reactive system analysis, computer software program analysis, computer software dynamic program analysis, software integration testing with SQL and GUI, runtime monitoring*]

"*YOU SPECIFY USING A STATE DIAGRAM AN ERRONEOUS SUT (SYSTEM UNDER TEST) TYPESTATE STYLE BEHAVIOR with YRI_SD_RUNTIME_VERIF. USING YRI–DB–RUNTIME–VERIF, YOU CHECK AT RUNTIME WHETHER SUCH AN ERRONEOUS SUT SEQUENCE BEHAVIOR OCCURS.*"

- **YRI_SD_RUNTIME_VERIF**: git https://www.github.com/yerithd/yri_sd_runtime_verif

12.12.1 *Software Verification VS Program Code Verification*

Figure 5: Embedded program verifier notifier within YERITH–ERP–9.0–platinum; YRI–DB–RUNTIME–VERIF runs as a background process service.

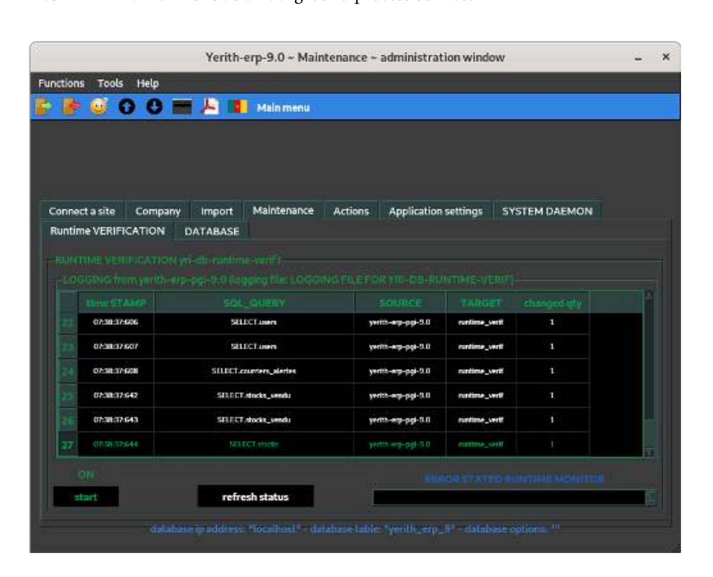
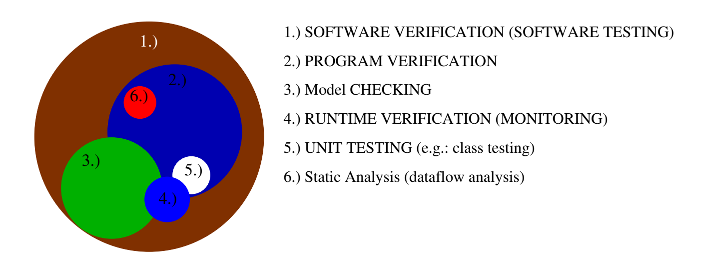


Figure 6: "Program verification (including model checking)" is a subset (⊂) of "SOFTWARE VERIFICATION". (See also research goal 7.)



Software System verification is a discipline to verify whether a software, meaning a product use at customer level and full–featured, conforms to certain software system user related usage properties.

In contrast, program code verification checks only program at the level of their source code or binary code product against code programming related properties, And not necessarily at level of a full featured user level product. Thus all code programming related properties could be cast down to certain software system related properties. ***It follows PROGRAM VERIFICATION is a Subset Of Software (System) Verification: illustrated in Figure 6 !***

12.12.2 *How to use YERITH_QVGE*

A software component or a whole running software binary could be verified against SQL correctness temporal properties by USING **YRI_QVGE**, as illustrated in Figure 3: The 1st **layer** illustrates the runtime verifier tester monitor engine: YRI–DB–RUNTIME–VERIF, that entails several custom runtime monitor specifications, provided by user.

The 2nd **layer** shows the ***SUT (System Under Test); or PUA (Program Under Analysis);*** layer that communicates with YRI–DB–RUNTIME–VERIF trough QT socket calls (via DBus messages). Each event message is sent to all runtime monitors. The SUT source code has been instrumented first, so to specify which program statements actions are to be packaged as messages to YRI–DB–RUNTIME–VERIF.

The 3rd **layer** illustrates a library or plugin (i.e.: `MySQL`) that is being monitored via instrumentation of the SUT; in this case, the SUT is YERITH–ERP–9.0–platinum. ***Other providers could modify An Open Source Code Version (FOSS) of YRI–DB–RUNTIME–VERIF to verify and monitor another library–plugin other than MySQL.***

The 4th **and last layer** shows the Operating System (OS) layer and its communication via systems calls with the 3rd layer of the library-plugin.

12.12.3 *How to use YERITH_QVGE in relation to verification cyber–security detection remediation methods.*

1. MODEL CHECKING (`https://wikipedia.org`):

   Temporal logic formalisms, such as LTL (Linear Temporal Logic) (`https://`); Could be used to create ***State Diagram Mealy Machine (SDMM) (https://www.archive.org/download/yri_ictss_2023/yri_ictss_2023.pdf)***[?d] and generate a binary executable of **YRI–DB–RUNTIME–VERIF** ***(https://www.zenodo.org/records/10474033)*** [?b] to perform runtime monitoring, and runtime SQL recovery of Graphical User Interface (GUI) supported software (And also not supported GUI software). Users must only note that "SDMM" specifications are *fail (forbidden) trace* behavior specifications of a program under analysis (SUT).

   Structures could be created on how to translate simple LTL constructs into simple "SDMM"; So to ease usage of YRI–DB–RUNTIME–VERIF;

2. RUNTIME VERIFICATION (MONITORING; INCLUDING SOFTWARE CYBER–SECURITY EXPLOIT DETECTION REMEDIATION):

   A whole class of problems involving sequencing of actions and / or method calls ranging from:

   - Application Programming Interface (API) checking protocol usage;
   - Software Security Vulnerability Analysis: I.E. Taint Analysis;
   - Information Flow Policy Control and Enforcement: I.E. ...
   - Checking of automated and / or manual (unit) test procedure conformance with regards to TESTED PROGRAM (SOFTWARE) temporal properties;
   - etc.

   Could be solved by usage of YRI–DB–RUNTIME–VERIF; YRI–DB–RUNTIME–VERIF GIT–REPOSITORY[?b]: git `https://www.github.com/yerithd/yri-db-runtime-verif` . ***""Pr. Prof. Dr. Jean Yang, Ph.D." from CMU–"Carnegie Melon University (https://www.cs.cmu.edu/~jyang2)" could be a potential competitor in this area of research.":***

   A. "`Jeeves Programming Language`" – last updated "October 2015" (`https://projects.csail.mit.edu/jeeves`)
      - API usage rule check at 'AKITA Software (`https://www.akita.com`)' in USA; California (CA).
      - "`Jeeves Programming Language`" enables static typing;
      - Dynamic code source rewriting to achieve Semantics; implemented as an embedded Domain Specific Language (DSL) in Python programming language (***IT is unclear in which document PROFESSOR JEAN yang checks that this code is correct***).

RESEARCH AND TEACHING OBJECTIVES IV – CONTINUED — 2 VS. Jeeves Programming Language

Table 2: Jeeves Programming Language Versus (Vs.) The Runtime Monitoring Verifier Tester YRI–DB–RUNTIME–VERIF

"Information Flow and Policy Control"	YRI–DB–RUNTIME–VERIF	Jeeves Programming Language
1. *Specification as a Domain Specific Language (DSL)*	**Yes (stand–alone SDMM (HTTPS://WWW.ZENODO.ORG/RECORDS/13232567) [?d] DSL specification; Based on MEALY MACHINE AUTOMATON;** "HAREL–statechart (https://www.bibsonomy.org/bibtex/2462cc2a9db87a5788c405cc577968d5f/rnesselrath) compatibility") ✓	yes (DSL embedded into Python)
2. *False (Positives) Warnings*	**No (1 formal proof exists in JOURNAL PAPER (HTTPS://WWW.ZENODO.ORG/RECORDS/13232567) [?d])** ✓	⋆ yes (CHECK A REFERENCE)
3. *DSL Specification CARRIES DATA too*	**Yes (as Qt-Dbus data parameters)** ✓	yes (as local stack function/method parameter)
4. *As program annotations*	**Yes (FOSS Library Qt-Dbus instructions)** ✓	yes ('Jeeves' instructions)
5. *USABLE in a any programming language*	**Yes (FOSS Library Qt-Dbus instructions)** ✓	no (Only Python)
6. *ONLY usage with Python*	**No (any programming language that could emit Qt-Dbus instructions)** ✓	yes
7. *Embedded in a programming language*	**NO** ✓	yes (Python DSL library)
8. *CRASH could occur during analysis and / or policy enforcing*	**NEVER**	**YES**
9. *Execution runtime overhead*	**No (concurrent event stream analysis monitoring verification)** ✓	Yes (Embedded Python runtime dynamic source code rewriting)
10. *Persistent storage technology*	**Yes; "MariaDB (https://www.mariadb.org) "** ✓	**Yes; "PostgreSQL (https://www.postgresql.org) "** ✓

Table 2 compares tabularly the "Jeeves Programming Language" and "The Runtime Monitoring Verifier Tester YRI–DB–RUNTIME–VERIF". In contrast to the "Jeeves Programming Language" that specifies information flow policy and control enforcement for Python, YRI–DB–RUNTIME–VERIF is not implemented as programming language feature, and thus could be used for any software system that could emit Qt-Dbus signals; Thus, information flow control and enforcement is run as a separate process, concurrently to the system under analysis (verification or monitoring) as pictured in Figure 3.

Figure 10 illustrates a sample SDMM (HTTPS://WWW.ZENODO.ORG/RECORDS/13232567) [?d] specifying that a "FILE SHALL NOT be written–updated after it HAS BEEN CLOSED–DELETED".

12.12.4 *Runtime Dynamic Program Interpretation Rewriting with "Jeeves"*

The information flow policy control and enforcement solution provided by the "Jeeves Programming Language" is as follows:

1. A domain-specific language (DSL) is defined and embedded in a modification of the *dynamic interpreted* programming language Python. The drawback of an embedded DSL is a non re-usability in using other programming languages and framework other than those related closely to Python;

2. Only certain cases are flow policy control and enforcement are solved statically by "Python–Jeeves" type system;

   It means that 'false positives warnings' cases still exist in programmer code and couldn't be removed by static compilation and / or dynamic code interpretation.

   In contrast, "the mixed formal methods – runtime dynamic analysis monitoring" I used in "YRI_QVGE", don't allow by construction for 'false positives warnings': A 'false positive warning' is a message from the analyzing system that indicates an error accepting state while THERE IS IN EFFECT NO ERROR found yet.

3. Flow policy enforcement is solved dynamically at runtime by ***dynamic code rewriting***; WE HOPE that this feature could be proved sound for all program statements because it might create uncertainty of valid flow policy enforcement at all.

   Differently, "YRI_QVGE" uses SQL database statement query for performing error accepting state recovery (~~or also called "*Information Flow Policy Control and Enforcement*"~~).

12.12.5 *"Formal Methods – Runtime Dynamic Analysis" Vs. "Compiler Static Analysis Technology"*

I advocate:

1. Solving problems using compiler static analysis technology; that is based on lattice-theory is more safe than formal methods algorithms at first because MANUAL model checking has to be used to prove formal methods solutions correct, which could be very tedious and lengthy; ***OR EVEN INTRACTABLE***. SEE the state explosion problem (https://).

   On the other hand static dataflow analysis algorithms based on lattice-theory are safe by construction and don't need no more proofs of consistency and validity as long as they only follow the base–pattern algorithm as for instance defined by "Gary A. kildall A unified approach to global program optimization (http://doi.acm.org/10.1145/512927.512945)".

2. The formal method approach I use in solving problems listed in "Subsection 12.12.3"; a combination of formal methods with runtime dynamic analysis is as perfect as the *static dataflow analysis* standard algorithm by "Gary A. kildall", because **YRI_QVGE** uses only ***fail (forbidden) traces*** specifications and only exactly 1 outgoing edge for each transition in a STATE DIAGRAM MEALY MACHINE SPECIFICATION (HTTPS://WWW.ZENODO.ORG/RECORDS/13232567) [?d] :

   A whole class of problems involving sequencing of actions and / or method calls ranging from:

   - Application Programming Interface (API) checking protocol usage;
   - Software Security Vulnerability Analysis: I.E. Taint Analysis;
   - Information Flow Policy Control and Enforcement: I.E. ...
   - Checking of automated and / or manual (unit) test procedure conformance with regards to TESTED PROGRAM (SOFTWARE) temporal properties;
   - etc.

RESEARCH AND TEACHING OBJECTIVES IV – CONTINUED — 3 - STATIC ANALYSIS

3. Static Analysis (dataflow analysis by "Gary A. kildall A unified approach to global program optimization (http://doi.acm.org/10.1145/512927.512945)"):

   One could combine runtime verification analysis results with static dataflow analysis so to reduce search paths during static analysis; THUS reducing state explosion complexity problem and running time of static analysis algorithms.

12.12.6 *CASE (Computer-Aided Software Engineering) TOOL for Software System Verification*

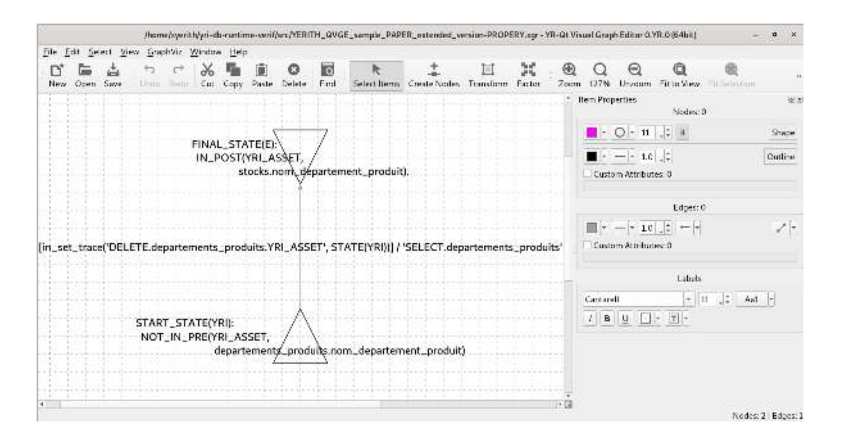


Figure 7: A SCREENSHOT OF *YERITH_QVGE* FOR GRAPHICAL DESIGN OF STATE DIAGRAM MEALY MACHINE (SDMM) SPECIFICATIONS.

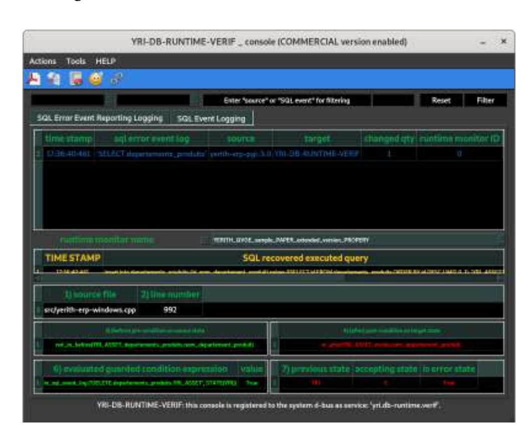


Figure 8: A SCREENSHOT OF `YRI-DB-RUNTIME-VERIF` SQL ERROR EVENT LOG.

1. Create and produce a computer device that could be embedded into other computer devices and that will communicate with them through serial ports and / or USB interfaces SO to provide YRI_QVGE program verification to USER FINISHED products on-the-fly, AS an add-on ENGINEERED industrial product: ALSO this product could qualify for an ISO–related certification for avionics, railways, automotive, and FDA—ISO certifications for Healthcare: YRI–QVGE–PC–TABLET.

   POTENTIAL APPLICATIONS:
   1. A linear accelerator control console communication protocol runtime monitoring;
   2. A railway track controller program runtime monitoring console at site;
   3. An aero-plane Maneuvering Characteristics Augmentation System (MCAS) runtime monitoring device
   4. etc.

RESEARCH AND TEACHING OBJECTIVES III

1. **CREATE A VERY CHEAP AND PRAGMATIC** ***enterprise resource planing software*** **(ERP)** [Oct. 2015 – CURRENT]
[*agile development method, enterprise resource planing software, software engineering, computer software programming, computer software testing, computer program analysis*]
   a. RENDER ENTERPRISE RESOURCE PLANING (ERP) SOFTWARE SYSTEM USAGE AND MANIPULATION AS EASY AS READING A LEISURE OR RECREATIONAL BOOK SO TO REDUCE USER STRAIN SIZE ! (`https://www.zenodo.org/record/8052724/`)
   b. CONTRIBUTE TO REDUCE POVERTY BY IMPROVING SOFTWARE SYSTEM TECHNOLOGY FOR ENTERPRISE RESOURCE PLANING (ERP). (`https://www.zenodo.org/record/8052724/`)

   1. ***All following advantages of using YERITH–ERP–9.0–platinum contributes to reduce waiting files; THUS increase the number of customers and clients of an entrepreneurial organization in AFRICA !***
   2. Best and accurate technology SHALL REDUCE management effort and produce more reliable and cost–minimized business financial accounting information that enables to anticipate and reduce time of decision making.
      1.) ***Gathering an overview over all financial and commercial; And customers / clients transaction information comes in JUST 1 button pressing from business dashboard window.***
      2.) ***Calculating beneficial and interests costs is just as easy as reading it from business financial dashboard report generated automatically real–time and real–data from sales and customers, and / or Acquisitions databases tables.***
   3. Best and accurate technology reduces time execution of commercial business transactions, and thus, associated costs.
      1.) ***Ranking about sold and transferred goods and / or item stocks is best and just as easy done by reading it from a business commercial window dashboard; Ranking data decides what to order next for a better business turnover for your commercial financial entrepreneurial organization;***
      2.) ***Ordering new item stocks is as easy as reading item stocks quantities from stocks window stock's inventory value.***
   4. So entrepreneurial commercial organizations could reduce a selling price without reducing its profit.

Figure 9: A Business Manager Main Window of YERITH–ERP–9.0–PLATINUM



14.14 R&D Software System Components

- YERITH–ERP–PGI–9.0 git `https://www.github.com/yerithd/yerith-erp-9-0`
- YERITH–ERP–PGI–9.0–CONFIGURATIONS–DATA `https://www.zenodo.org/record/8072261/`
- YERITH–ERP–PGI–9.0–WEB–SYSTEM YERITH–ERP–PGI–9.0–WEB–SYSTEM[22.22] (git https://www.github.com/yerithd/yerith-web-pages-generator-9)
- YERITH–ERP–PGI–9.0–RM–SYSTEM **YRI_QVGE**[?] (git `https://www.github.com/yerithd/yri-db-runtime-verif`)
- YERITH–ERP–PGI–9.0–SYSTEM–DAEMON git `https://www.github.com/yerithd/yerith-erp-9-0-system-daemon`
- YERITH–ERP–PGI–9.0–RT–SYSTEM ***TODO for*** YERITH–ERP–9.0–TRADING–REALTIME !!!

14.14.1 Detailed Presentation View

1. ERP software itself: YERITH–ERP–9.0–PLATINUM.
   FOSS code location git `https://www.github.com/yerithd/yerith-erp-9-0`
2. Component 1: *yerith-erp-9-0-configurations-data*: Configuration data for YERITH–ERP–9.0–PLATINUM.
   This software component entails:
   - A configuration property file "yerith-erp-9-0.properties" that contains `MariaDB` database connection parameters data.
   - A configuration property file "yerith-erp-9-0-system-local-configuration-ENGLISH.properties" that contains local computer device and storage configuration parameters data.
   - A folder "yerith-erp-9-0-sql-backup-restore" where YERITH–ERP–9.0–PLATINUM database backups will be stored.
3. Component 2: YERITH–ERP–PGI–9.0–WEB–SYSTEM[22.22]: Web Sites Generator Software Component.
   FOSS code location (git https://www.github.com/yerithd/yerith-web-pages-generator-9
4. Component 3: **YRI_QVGE**[?]: Runtime Monitoring Analysis Verification System.
   FOSS code location 1 git `https://www.github.com/yerithd/yri_sd_runtime_verif_lang`
   FOSS code location 2 git `https://www.github.com/yerithd/yri_sd_runtime_verif`
   FOSS code location 3 git `https://www.github.com/yerithd/yri-db-runtime-verif`
   FOSS code location 4 git `https://www.github.com/yerithd/yri_sd_runtime_verif_UNIT_TESTS`
5. Component 4: *yerith-erp-9-0-system-daemon*: Service daemon for alerts over inventory stocks, assets, and financial expenses.
   FOSS code location git `https://www.github.com/yerithd/yerith-erp-9-0-system-daemon`

RESEARCH AND TEACHING OBJECTIVES III – CONTINUED — 2 – "DOCUMENTATION"

1. **CREATE A VERY CHEAP AND PRAGMATIC *enterprise resource planing software* (ERP)** [Oct. 2015 – CURRENT]
[*agile development method, enterprise resource planing software, software engineering, computer software programming, computer software testing, computer program analysis*]

15.15 Summary Documentation of YERITH–ERP–9.0–PLATINUM

- **YERITH–ERP–PGI–9.0** git https://www.github.com/yerithd/yerith-erp-9-0
  a. ***Database network connectivity – FRENCH*** Configuration MULTI–SITES (SUCCURSALES)
  https://www.archive.org/download/yerith-erp-multi-sites-base-de-donnees/YERITH-ERP_multi_sites_base_de_donnees.pdf
  b. ***Installation GUIDE – FRENCH*** Installation GUIDE – FRENCH
  https://www.zenodo.org/record/8060217
- **YERITH–ERP–PGI–9.0-CONFIGURATIONS-DATA** https://www.zenodo.org/record/8072261/
- **YERITH–ERP–PGI–9.0–WEB–SYSTEM** git https://www.github.com/yerithd/yerith-web-pages-generator-9
- **YERITH–ERP–PGI–9.0–RM–SYSTEM** git https://www.github.com/yerithd/yri-db-runtime-verif
- **YERITH–ERP–PGI–9.0–SYSTEM-DAEMON** git https://www.github.com/yerithd/yerith-erp-9-0-system-daemon
- **YERITH–ERP–PGI–9.0–RT–SYSTEM** ***TODO for*** YERITH–ERP–9.0–TRADING–REALTIME !!!

RESEARCH AND TEACHING OBJECTIVES II – Dissertation Thesis Doctor–PH.D. in Electrical & Computer Engineering

Figure 10: **A Mealy Machine State Diagram (SDMM) Specified Using YRI_SD_RUNTIME_VERIF Specification Language for NO–WRITE–AFTER–CLOSE memory check API file usage rule.**

```
yri_sd_mealy_automaton_spec YERITH_QVGE_sample_Write_after_close_file
{
 START_STATE(clsd):IN_PRE(g, is_alias(g, f))
  -> [in_set_trace('DELETE.file.f', STATE(clsd))] / 'UPDATE.file.g'->
   FINAL_STATE(WRITE_AFTER_CLOSE):IN_POST(g, is_alias(g, f)).
}
```

1. Create **A FRAMEWORK FOR STATIC** verification of Temporal Safety Property in Plugin–based software by static dataflow analysis mainly for the JVM–Java Virtual Machine; by late *Gary A. KILDALL* (https://en.wikipedia.org/wiki/Gary_Kildall).

   a. **Research Proposal (Doctoral Ph.D. Thesis) in Electrical & Computer Engineering:** *"Temporal Property Verification in Plugin–based Software;"* **(*Advised by Nomair Naeem | Ondřej Lhoták, Ph.D. | Patrick Lam, Ph.D.)* |**

   [UNIVERSITY OF WATERLOO, ONTARIO, CANADA] [Sep. 2009 – Dec. 2011]
   YERITH$_{R\&D}$, CENTER REGION, CAMEROON — (ADDENDUM WITH STATE DIAGRAM MEALY MACHINE (SDMM *(https://www.archive.org/download/yri_ictss_2023/yri_ictss_2023.pdf)*[?d])) [June 2024 – June 2024]

   [*API (application programming interfaces) typestate checking;, tracematches, computer software static program analysis, computer software dynamic program analysis, software testing, software integration testing, computer software cyber–security, GERMAN STYLE HABILITATION*]

16.16 RESEARCH WORK OVERVIEW

THIS IS A PRELIMINARY WORK ON CHECKING TEMPORAL SAFETY PROPERTIES USING A TRACEMATCH–ALIKE SPECIFICATION LANGUAGE; SOOT (https://www.soot-oss.github.io/soot) AND DATAFLOW ANALYSIS IS USED TO PRESENT A STATIC WHOLE PROGRAM ANALYSIS.

TRACEMATCHES alike specifications enable developers to specify API usage rule drawing, as a deterministic finite automaton (https://www.wikipedia.org). Patrick LAM and Xavier ~~noumbissi~~ NOUNDOU have at this effect presented short overview slides of 30 minutes at IBM workshop CASCON 2010 ! (https://www.sable.mcgill.ca/~clump/cdp2010/index.html). PDFSAM (https://www.pdfsam.org), and sample other Open Source Code Software (FOSS) ARE USED as benchmark for project evaluation.

17.17 SOLUTIONS WITH LLVM BY CHRIS LATTNER AT "APPLE LTD.".

Instead of the 1st proposed Java–Soot approach as a whole program static dataflow analysis, a whole program context–sensitive dataflow static taint analysis for C using LLVM could successfully be implemented and described in YERITH–SAINT *(https://www.zenodo.org/record/8051293)* [1?].

The 1st YERITH–SAINT algorithm was implemented for programs written in C programming language, and used a pre–processing step for analyzing points–to set using "poolalloc" (https://www.github.com/poolalloc) from Chris Lattner (https://www.llvm.org).

BECAUSE our static dataflow taint analysis algorithm works on three-address-code, LLVM compiler framework could also apply **YERITH–SAINT** to JAVA code as input programming language to LLVM frontend–compiler–framework (**Example : https://github.com/polyglot-compiler/JLang**) !

18.18 RELATED WORK: DYNAMIC PROGRAM ANALYSIS API–RULE CHECKER "TRACERORY"

"Unread memory verification" is an instance of API (Application Programming Interface) usage rule checking.

""TRACERORY" runtime unread memory verification tool of Jon Eyolfson" (https://www.hdl.handle.net/10012/6206) ; "Detecting Unread Memory Using Dynamic Binary Translation at RV 2013 in Turkey" (https://www.YRITOLOOKFOR.org) , Of my former office roommate at "ECE–Waterloo–formal–method Davis Center Room" (https://www.watform.uwaterloo.ca), 1st floor, and colleague in static dynamic program analysis, could be outperformed with use of **YRI–DB–RUNTIME–VERIF** ***(https://www.zenodo.org/records/10474033)*** [?b]: *"a runtime monitor container for state diagram mealy machines (SDMM)"*.

"TRACERORY" uses runtime program binary code instrumentation in "INTEL-pin" (https://www.wikipedia.org) to instrument running programs for purposes of detecting unread memory.

Figure 10 illustrates a sample "SDMM" specification with instrumentation of source code with statements 'DELETE.file.f' and 'UPDATE.file.g' for runtime verification monitoring of API usage rule for checking memory write integrity: Runtime function "is_alias(g, f)" tells whether heap variable "g", and "f" refers to the same memory address. Such a "SDMM" specification is synchronized against a running program within a runtime monitor container: **YRI–DB–RUNTIME–VERIF** (https://www.github.com/yerithd/yri-db-runtime-verif) .

20.20 CONCLUSION

"Due to incompatibilities with Patrick LAM; after March 10, 2015, I abandoned this research idea because I couldn't afford being laid–off without any letter or any other formal mean of communication other than telling a lie about a supposed ["Ph.D. Research Seminar"] at EIT building in Waterloo main (200 University Ave West) Campus! " (Ph.D. Dissertation Defence at DAVID R. Cheriton School OF Computer Science in "January 2015")

It is easier to specify forbidden-fail-traces instead of saying how traces shall be like. 4 experts in software systems were committee members of my doctoral PhD comprehensive examination AT UNIVERSITY OF WATERLOO, ONTARIO, CANADA:

1. *Ondřej Lhoták, Ph.D.* Email: olhotak@cs.uwaterloo.ca
2. *Derek Rayside, Ph.D., Professional Engineer (PEng, Ontario)* Email: drayside@uwaterloo.ca
3. *Patrick Lam, Ph.D., Professional Engineer (PEng, Ontario)* Email: p23lam@uwaterloo.ca
4. *Lin Tan, Ph.D., Professional Engineer (PEng, Ontario)* Email: lintan@purdue.edu

RESEARCH AND TEACHING (Courses visited – at the University of Waterloo, Ontario, Canada)

1. Courses I VISITED while at the University–racist of Waterloo, Ontario, CANADA |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

[*ECE 725 / CS 745 – "Fall 2009",*
CS 744 – "SPRING 2011",
First SUMMER SCHOOL on FORMAL techniques – "SPRING 2011",
Computer Science related subjects courses,
program analysis,
program verification,
model checking,
compiler design]

Table 3: Visited Courses at THE university-racist of waterloo, ontario, canada-idiot

"Course Reference CODE" / "GRADE"	Course TITLE	Dispensing Department / SCHOOL
1. "**ECE 725** - Nancy Day" / "90%"	Computer–Aided VERIFICATION	ECE (ELECTRICAL & Computer engineering)
2. "**CS 744** - Ondřej Lhoták" / "86%"	Advanced Compiler Design	CS (School of Computer Science)
3. ***"1st SUMMER SCHOOL on FORMAL techniques" / "N.A"***	First SUMMER SCHOOL on FORMAL techniques	menlo–racist–college (`https://fm.csl.sri.com/SSFT11/index.shtml`)

Table 3 illustrates all courses I VISITED successfully during my doctoral Ph.D. in electrical & COMPUTER engineering degree program at the UNIVERSITY-white-racist of waterloo.

1.) [***Advanced Compiler Design***]:

This project–racist–based course gave me the opportunity to learn perfection my theoretical knowledge and foundations in the following topics:

- COMPILER structure and optimizations

2.) [***Computer–Aided VERIFICATION***]:

This assignment-based course gave me the opportunity to learn foundations of the following topics:

- MANUAL THEOREM proving (also interactive theorem proving with `"interactive theorem prover"` ISABELLE–HOL (HIGH ORDER LOGIC))
- MODEL checking (EDMUND clarke et al.)
- Temporal LOGIC

The course instructor NANCY idiot day, was very verse in this material and could answer almost all questions without searching somewhere else than herself.

3.) [***1st SUMMER SCHOOL on FORMAL techniques***]:

This marvelous experience gave myself opportunities to meet and hear-listen from best talented researchers in following areas of industrial research among other topics that I CANNOT ALL REMEMBER :

- *"Interactive Theorem Proving with `PVS`"*
- *"Static Analysis by Abstract Interpretation"*
- *"Hardware / Software Co–Design"*
- *"Model Checking with `JPF (JAVA PATHFINDER)`"*

I AM ALWAYS GRATEFUL to professor idiot NANCY day for having given myself this marvelous experience through her personal recommendation, As required for admission in the summer school !

RESEARCH AND TEACHING (COURSES VISITED AS POST–DOCTORAND–FELLOW – AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. Courses I VISITED while at the University–racist of Waterloo, Ontario, CANADA |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2012 – Apr. 2015]

[*ECE 750 – "SPRING 2013",*
CS 846 – "WINTER 2013",
Online Software Security Course–racist–extreme – "WINTER 2013",
Computer Science related subjects courses,
program analysis,
program verification,
model checking,
Cyber–SECURITY–analysis,
compiler design] **Summary–PAGES**

Table 4: Visited Courses at THE university-racist of waterloo, ontario, canada-idiot

"Course Reference CODE" / "GRADE"	Course TITLE	Dispensing Department / SCHOOL
1. "**ECE 750** - Patrick Lam" / "88%"	Static Analysis for Software Engineering (SASE)	ECE (ELECTRICAL & Computer engineering)
2. "**CS 846** - FRANK Tip" / "88%"	Program Analysis for Web Apps	CS (School of Computer Science)
3. "*Online Software Security Course–racist–extreme*" / "85%"	Online Software Security Course–racist–extreme	Stanford university adult education online

Table 4 illustrates all courses I VISITED successfully during my doctoral PH.D. studies degree program in Electrical & Computer Engineering at the UNIVERSITY-white-racist of waterloo.

1.) [***Program Analysis for Web Apps***]:

THIS project-based course provided myself an opportunity to DISCOVER, design and implement a web–based dynamic TAINT analysis for a PHP–Java interpreter; I.E. a "Java application server" that also interprets and use PHP libraries and code :

"A Dynamic Taint Analysis for PHP in Quercus" (**https://www.zenodo.org/record/8051621/**) :

1. git https://www.github.com/xnoundou/xresin-taint-analysis
2. git https://www.github.com/xnoundou/xresin-taint-analysis-tests

2.) [***Static Analysis for Software Engineering (SASE)***]:

THIS project-based course provided myself an opportunity to design and implement a static TAINT dataflow analysis: YERITH–SAINT (**https://www.zenodo.org/record/8051293**) :

- git https://www.github.com/sazzad114/saint

I didn't appreciate that instructor PATRICK–lam came to contest my Correct and Righteous definition of taint source and taint sink in front of class during my presentation; AND THAT he was wrong when he said we shall check the internet media; IT DOESN'T make sense to contest something that a doctor–PH.D. has prepared at least 4 weeks in advance such as he did !!!

3.) [***Online Software Security Course–racist–extreme***]:

I took this software security course to acquire more knowledge in software security vulnerability analysis and detection from a pioneer–leader as university in this area of research as demonstrated by publications and startups created by alumni.

*MONICA–lam (**https://stanford.edu/suif**) for instance is a very renowned scholar and tech–entrepreneur in security vulnerability research and analysis. THis online web course was very interesting from a content point of view for me as a doctor–of–engineering–ph.d..*

*ESPECIALLY because I WAS working on my "YERITH–SAINT algorithm" (**https://www.archive.org/download/jh-nissi-ece-uwaterloo-grad-talk-2014-04-16/JH_NISSI_ECE_UWATERLOO_GRAD_TALK_2014__04__16.pdf**) FOR detecting, with static dataflow code analysis "à la "Gary A. kildall : A unified approach to global program optimization (**https://doi.acm.org/10.1145/512927.512945**)"", and fixing the HEARTBLEED–security breach bug in "OpenSSL-1.0.1-f" source code (**https://**) :*

- git https://www.github.com/sazzad114/saint

"BUT i could notify when i started passing the online examination for getting a printed sent per mailbox certificate; THAT there was a kind of re-make in another stand so "that I WOULD NEVER PASS with more than 95%" as required to acquire that certificate – (I HAD PAID around $500 USA dollars for attending this online graduate adult education course)" !!! "

"I Was almost always getting a "84% grade" ("3 times") !
THIS actually represents the successful passing required academic grade for a doctoral level course at WATERLOO."

"I HAD EVEN visited the premises of STANFORD university together with SANDY–beidu–gay–idiot-from-ghana-cuon-pd "in year 2011" while attending a formal method techniques school at ATHERTON-COLLEGE nearby "by around 40 minutes drive"."

Doctor–PH.D. in Electrical & Computer Engineering – REPORTS - 2010

YEARS "09 / 2009" – "2010" SUMMARY-PAGES

— I have prepared, and presented a static dataflow analysis in November 2010 at IBM workshop CDP CASCON 2010 (https://www.sable.mcgill.ca/~clump/cdp2010/index.html).

[Workshop–CDp; IBM casCon 2010]

The goal of this static dataflow analysis was to solve the issue of temporal property API rule checking in Plugin–based software.

— I co-taught and assigned marked with Patrick for courses:
1. "Programming for Performance (ECE 459)";
2. "Software Testing, Quality Assurance and Maintenance (ECE 453 / SE 465)".

— I have successfully attended the course ("CS 745 / ECE 725") – Computer–Aided Verification (https://www.cs.uwaterloo.ca/~nday), taught by "Prof. Dr. Nancy Day". I could learn about following topics:

COURSE–ECE 725

*THIS psy–professor is somewhat "a culprit of canadian armed robber forces only for black–descendants; Including iranian; holy-bible–CYRUS–ISIAH-45" (**https://www.saintebible.com/lsg/isaiah/45.htm**).*

1. OCAML functional programming language
2. Propositional Logic
3. First Order Logic (Predicate logic)
4. Higher Order Logic (Lambda Calculus) "with `Haskell`"
5. Theorem Proving
6. Interactive Theorem Proving with "`Isabelle HOL`"
7. Model Checking (with use of "SMV model checker")
8. etc.

— I have met in–person "Pr. Prof. Dr.–Ing. Nomair Naeem" (HELP with understanding of static dataflow analysis algorithms): "Especially with context–sensitive parametric analysis".

— ***I have as roommate and best–friend [Diplom–Ingenieur–Informatik (Dipl.–Ing.–Inf.)] THOMAS REIDEMEISTER, 'aus MAGDEBURG'. He is also a computer engineer graduate student "in ECE at THE university of Waterloo, ON".***

THOMAS (https://www.reidemeister.com) is so much helping to myself including recommending myself a "JAPANESE toyota corolla LE 2003–(plate BLAB 045)" car as buying tip because of low costs in maintenance in ontarian–Canada.

I learned at least 80% of a happyfull life in ontarian Canada from THOMAS as a kind of senior brother of mine.
1. Difference between brunch and lunch; with an invitation for a brunch in KITCHENER: I cannot remember the name of this very nice restaurant by a sunday–morning;
2. Farmer's market in Kitchener;
3. ⋆ ⋆ ⋆—*Asian food market stores in Kitchener*—⋆ ⋆ ⋆;
4. etc.

"THOMAS moved–in into our student house as replacement for a nigerian so called CHRISTIAN-faked TOMIWA ADAMURULA (tom)."

"AS I have matured myself, "today, in 2024, "September 1st;" THOMAS must be from NAZI-ss–combat engineering against black–descendants like "cameroonian MARTIN tchamgoue", employed at LABFORGE.CA (https://www.labforge.ca) ".

I could remember being very happy all time with ⋆ ⋆ ⋆—***JOHN and ANNA GULDEMOND***—⋆ ⋆ ⋆ the sweet–nice landlords.

20.20 YEARS "09 / 2009" – "2010" SUMMARY-PAGES

— I have met in–person Prof. Dr. Eric Bodden at our (Xavier, JON eyolfson) office room in "Davis Center".

— I have improved my technical skills in following areas by reading technical reports and conference articles:

1. "Program Verification (Ph.D. thesis from Patrick LAM)" (https://patricklam.ca)
2. Algorithm Design, and Implementation (from book "Introduction to Algorithms" (https://www.amazon.com/Introduction-Algorithms-fourth-Thomas-Cormen/dp/026204630X/ref=sr_1_1?crid=2UBHH37C2Y2J3&dib=eyJ2IjoiMSJ9.RxrAGDmePG_uPSHKskT1qe4eJp18_sU0zfGdVFedlBzcVOqunH6HMFDuvjfBk5T7_hbHBgRqWHVSmsYFd0OP9qIyOhMWcDwVMeRQodxABi7cszQQi1XxeWBu8jZqpGALecudSCyPct_N4de9gwldrRqhL2Alh8huCTZ2PeIofPH8JLCoU0jaTq8vuQ-G7z1Jdit5yRk2hl627B7GRAFVG3fiolk8kSGbcuK5_JsFw6g.AobHaMGD2q1MBzQIcdziArWAzLVbUQztj2REK1DRJ0Y&dib_tag=se&keywords=CS+Algorithm+book&qid=1726183252&s=books&sprefix=cs+algorithm+book%2Cstripbooks-intl-ship%2C313&sr=1-1));
3. Deterministic and Nondeterministic finite automata theory;
4. Java and its virtual machine;
5. Static Dataflow Analysis by *Gary A. KILDALL* (https://en.wikipedia.org/wiki/Gary_Kildall);
   a. SOOT framework (https://www.soot-oss.github.io/soot) ;
   b. "Tracematches formalism by Hendren, Lhoták, et al." (https://plg.uwaterloo.ca/~olhotak/pubs/rv07.pdf)

— *I have attended following workshops and conferences*:

[IBM WORKSHOP–CDP CASCON 2010]

1. "*IBM workshop CDP CASCON* 2010 *(https://www.sable.mcgill.ca/~clump/cdp2010/index.html)*"
   a. I could talk briefly with Patrick Doyle from J9–Java (https://www.ibm.com/docs/en/configurepricequote/10.0?topic=machines-j9-jvm) JIT–compilation team at IBM Toronto Software Lab
   b. Maxime Boisvert Chevallier (https://scholar.google.ca/citations?user=lSg6I8gAAAAJ&hl=en)
2. "*I have reviewed technical & scientific papers for OOPSLA* 2010 *(https://dl.acm.org/action/showFmPdf?doi=10.1145%2F1869459&ved=2ahUKEwiboYOExb6IAxXdgP0HHfmOA2YQFnoECCIQAQ&usg=AOvVaw0DwvmxPoRXI7v__J6preeu).*"

   [OOPSLA 2010]
3. "*I have attended the conference "Programming Language Design And Implementation (PLDI 2009)" in Toronto:*"

   [International CONDEFERENCE–pldi-racist-extreme; PLDI 2009]

   - "Pr. Prof. Dr. JEAN yang (https://www.cs.cmu.edu/~jyang2)", she was a then Ph.D. student and candidate at "MIT (https://people.csail.mit.edu/jeanyang/index.htm) ".
   - "Nurudeen Lameed (from Nigeria) (https://www.sable.mcgill.ca/~nlamee)", "and other SABLE-mcgill (https://sable.mcgill.ca) graduate students" and I presented to each other;
   - "Pr. Prof. Dr. Tom Ball from Microsoft Research (MSR) (https://www.microsoft.com/en-us/research/people/tball)", and I presented each other.
   - "Florian Zuleger (from Austria) (https://informatics.tuwien.ac.at/people/florian-zuleger)", and I presented each other.
   - "Stephan Zucker, PhD (from Switzerland) (https://)", and I presented each other.

21.21 YEAR "2011"

Summary-PAGES

— ***"December** 20th**, 2011"***:

I have prepared and successfully passed my doctoral PhD comprehensive examination in front of at least 4 experts in Software System:

1. *Prof. Dr. Ondřej Lhoták, Ph.D.*
2. *Prof. Dr. Derek Rayside, Ph.D., Professional Engineer (PEng, Ontario)*
3. *Prof. Dr. Patrick Lam, Ph.D., Professional Engineer (PEng, Ontario)*
4. *Prof. Dr. Lin Tan, Ph.D., Professional Engineer (PEng, Ontario)*

— I co-taught and assigned marked with Patrick for course:
1. "Programming for Performance (ECE 459)".

— I have successfully attended the course "CS 744" – Advanced Compiler Design (https://www.cs.uwaterloo.ca/~olhotak/), taught by "Pr. Prof. Dr.–Ing. Ondřej Lhoták".
I could learn about following topics:

COURSE–CS 744

1. SOOT framework (https://www.soot-oss.github.io/soot)
2. Meet Over Paths (MOP)
3. Basic Block (BB), Control Flow Graph (CFG)
4. Three–Address–Code ("3–Address–Code")
5. Static Single Assignment Form "(SSA form)"
6. Pointer (Alias) Analysis
7. Static Dataflow Analysis by *Gary A. KILDALL* (https://en.wikipedia.org/wiki/Gary_Kildall);
8. Transfer flow functions
9. Components of an advanced Compiler (E.g.: Optimizer, backend, etc.)

— I have met in–person "Michael Pradel". (https://)

— I have met in–person "ALEXIE tcheuyap–idiot-cuon-pd". (https://utoronto/alexie...)

— ***I have, in summer** 2011**, received a personal visit of "Mae Wandji", baby of my uncle maternal "Théodore & Aurélie Wandji Yagno Kamdoum": she was accompanied by "her mother Aurélie Yagno Wandji" !***
" "Mae Wandji", and her mother "Aurélie Wandji Yagno Kamdoum", I dedicate a successful PhD comprehensive examination ! "

— I have met in–person Prof. Dr. MARTIN vechev. (https://)

— I attended successfully the summer school: **"First Summer School on Formal Techniques"** (https://fm.csl.sri.com/SSFT11/index.shtml); organized by The "National Science Foundation (NSF)" located at SOFTWARE RESEARCH INSTITUTE INTERNATIONAL (SRI International), at "Menlo College, Atherton, California, USA" from May 22, **2011** until May 27, **2011**.

[ATHERTON-COLLEGE] / ["1st Summer School on Formal Techniques"–2011]

Topics we learned about and practiced where among others:

- *"Interactive Theorem Proving with PVS"* (by ***"Pr. Prof. Dr.–Ing. Natarayan Shankar"***)
- *"Static Analysis by Abstract Interpretation"* (by ***"Pr. Prof. Dr.–Ing. David Moniaux"***)
- *"Hardware / Software Co–Design"*
- *"Model Checking with JPF (JAVA PATHFINDER)"* (by ***"Pr. Prof. Dr.–Ing. Villem WISSER–neger-racist-stelenbosh-university-SA"***)

— I have improved my technical skills in following areas by reading technical reports and conference articles:
1. Algorithm Design, and Implementation (from book "Introduction to Algorithms" (https://www.amazon.com/Introduction-Algorithms-fourth-Thomas-Cormen/dp/026204630X/ref=sr_1_1?crid=2UBHH37C2Y2J3&dib=eyJ2IjoiMSJ9.RxrAGDmePG_uPSHKskT1qe4eJp18_sU0zfGdVFedlBzcVOqunH6HMFDuvjfBk5T7_hbHBgRqWHVSmsYFd0OP9qIyOhMWcDwVMeRQodxABi7cszQQi1XxeWBu8jZqpGALecudSCyPct_N4de9gwldrRqhL2Alh8huCTZ2PeIofPH8JLCoUOjaTq8vuQ-G7z1Jdit5yRk2hl627B7GRAFVG3fiolk8kSGbcuK5_JsFw6g.AobHaMGD2q1MBzQIcdziArWAzLVbUQztj2REK1DRJ0Y&dib_tag=se&keywords=CS+Algorithm+book&qid=1726183252&s=books&sprefix=cs+algorithm+book%2Cstripbooks-intl-ship%2C313&sr=1-1));
2. Deterministic and Nondeterministic finite automata theory;
3. Java component-based software development by OSI architecture and Eclipse IDE (Integrated Development Environment);
4. Java and its virtual machine;

22.22 YEAR "2012"

Summary-PAGES

— I co-taught and assigned marked with Patrick & Derek Rayside & Jon Eyolfson & Leo Passos, etc. for courses:
1. "Compilers (ECE 351)": ***Python scripts were written to automatically correct programming assignments from code source repositories***.

— *I went for an academic and professional internship at IBM Toronto Software Lab*;
I wanted to improve my programming languages design and implementation skills as well as BASH–scripting.

I spent 2 Academic terms (8 months) in Markham (Ontario, Canada) for this internship.

I worked there under supervision of ["*Patrick Doyle, M.ASc.*",] and then "*Prof. Vijay Sundaresan, M.Sc.*".

- I worked principally as a tester for certain optimization features of the "J9 JIT compiler" for the `Java` application server (Servlet container) IBM Websphere (`https://`) under "*Prof. Vijay Sundaresan, M.Sc.*". I was writing BASH–scripts to run and evaluate implemented certain optimization features for the "J9 JIT compiler" for the `Java` application server.
- I could attend to lectures given at IBM Toronto Software Lab by "Pr. Prof. Dr.–Ing. Clark Verbrugge" from McGill University (`https://mcgill.ca`) on Creating Optimizations for Compilers.
- I could improve my skills with the following tools among others:
  1. "GNU–bash" (`ftp://ftp.gnu.org/pub/gnu/bash`)
  2. "GNU–vi / GNU–vim" (`https://www.vim.org`)
  3. "GNU–screen" (`https://savan-nah.gnu.org/projects/screen`).

— "*Prof. Vijay Sundaresan, M.Sc.*" wanted myself to be back next summer for another internship with him at IBM: unfortunately I resigned from this engagement because I felt I had to go back in my home country: Cameroon !

— I befriended myself at IBM with "Aayush Prakash, M.ASc. (Waterloo, 2013)" (`https://`).
1. I had a toyota corolla 2007 LUXUS EDITION; that's why Aayush PRAKASH 1st contacted me so I could help him mornings.

   I tried trice but I COULDN'T anymore because I COULDN'T wake up so early; because MARKHAM is a very big city with so much traffic. BUT WE STAYED friend for ever.

   THX. BRO.
2. We then became roommate in Waterloo the following fall (September – December) term; I COULD appreciate someone nice and very comfortable with my living style since I am the one that was principally renting the 2–bedroom apartment on 16–457 ALBERT–STREET.

   HE never not paid his subrent; and was also kind to learn more about how to better maintain a common washroom.

   THEN he moved to IBM after successfully graduating with a M.ASc. in Electrical & Computer Engineering from PROFESSOR-racist HIREN–patel–racist !

   I then went several times to visit AAYUSH when he moved to Toronto.

— I befriended myself in Toronto with the following fellow Cameroonian:
1. "Prof. Dr. Alexie Tcheuyap, Ph.D. (Laval, "French Literature", Quebec, Canada, 2008)" (`https://utoronto.ca/~alexie`);
2. "Erick Djeuyou Pokem, B.ASc. (Lilles, "Business Informatics–MIAGE", France, 2007)";
3. "Audrey Nguetie Tchamga, B.Sc. (Laval, "Actuarial Sciences", Quebec, Canada, 2008)";
4. 'Judith Ngaleu, B.Sc. (Montreal, "Telecommunication Engineering", Quebec, Canada, 2005)";
5. "Eunice Gapie Yemte, B.Sc. (Luxembourg, "Software Engineering", Luxembourg, 2008)";
6. "Valérie Yogho, B.Sc. (Montreal, "Electrical Engineering–Power", Quebec, Canada, 2008)";
7. "Tobie Guilliane, M.Sc. (Paris, "Financial Accounting", France, 2008)";
8. "Francis Mbiele Kamga, MBA (ESG, "Business Management", Paris, France, 2007)".
9. "FABRICE wilfried siemeni, ~~B.Eng., (FH–Berlin, "Food Processing Engineering", Berlin, GERMANY, 2005)~~; ~~Diploma (IHN, "applied HOLISTIC NUTRITIONIST", Mississauga, Toronto, Canada, 2012)~~; M.Sc. (FH–Berlin, "Food Processing Engineering", Berlin, GERMANY, 2006)".

— *I have attended following workshops and conferences in* 2012, together with "Pr. Prof. Dr.–Ing. Patrick LAM, Ph.D." (`https://`), after completion of the internship at IBM Toronto Software Lab (IBM Canada Ltd (`https://www.ibm.com`)):

[WORKSHOP–local MITACS Ontario; International CONFerence; ICse 2012]

1. "MITACS Ontario (`https://`) at the University of Waterloo on how to behave properly when having lunch and dessert with other professionals."
2. *"International Conference On Software Engineering (ICSE 2012)" (`https://`)* in Toronto downtown.

   1. ***I COULD TALK TO several researcher among employees of GRAMMATECH–racist–negger (`https://www.grammatech.com`) from THOMAS–reps at WISCONSIN–madison. (`https://www.uwisconsin.edu`)***

23.23 YEAR "2013"

Summary-PAGES

— *I talked in–person with "Mahesh Tripunitara" about some of my non understanding about Doctor–PhD advisor of mine "Patrick Lam"; "MAHESH TRIPUNITARA" said I shall look for research collaborations within University of Waterloo and just put the name of "Patrick LAM" at end of a publication !*

I AM STILL VERY GRATEFUL for this insight into my life as a scientist that led me to try and talk successfully with following pro-eminent fellow computer scientist:

- *"Vijay Ganesh"; very proud of having learned much of how to write a paper and / or reviews of other papers with him; I cannot be a Ph.D. or doctor without this collaboration !*

  THIS IS SOMEONE very good at teaching research skills only. I cannot say much about his private behavior since I generally don't mix my private life with professional life !

- ["Mohammad Hamdaqa" from THE STAR research lab (https://star.uwaterloo.ca)]
- "Aayush Prakash" (https://sites.google.com/!!!) (from IBM internship in Markham)
- "Leo Passos" from Generative Software Development research group at university of waterloo (https://gsd.uwaterloo.ca/~lpassos)
- *"Frank Tip" (from IBM Research then as Professor at the University of Waterloo): AT all the very much inspirational about 'A SO CALLED taint analysis' in my research area at all.*

  *Before visiting CS846 of "Frank Tip", I cannot know anything about what is **a Taint Analysis** (**https://www.semanticscholar.org/paper/Temporal-Property-Verification-in-Plugin-based-Noundou/c68c2374b1dca17edab774ee8a1d09b015f29b33**) .*

  THIS CS846 (Program Analysis of Web Apps) is my best course as a graduate student in terms of working on related papers and writing reviews. Frank Tip is a very good and proud research manager !!!

  "*Only 1 tip, and you get all the clue about what you really need to do.*"

- "Pavel Parizek" (https://) (from Programming Language Research Group (PLG) (https://plg.uwaterloo.ca), invited by "Ondřej Lhoták")
- "BORZOO" (https://) (very respected in RV conferences series)

  THIS [friend-kkk] of sebastian fischmeister from AUSTRIA–adolf–hitler (https://uwaterloo.ca/~sfischme) is so kind that he let myself in his office to present what I really want to perform as research. BUT i could notify an office with kind of ground–tapestry for WHAT-the-fuck.

24.24 YEAR "2013"

Summary-PAGES

— I co-taught and assigned marked with "Mahesh Tripunitara" and "Igor Ivkovic" for courses:

1.) "Computer Networks (ECE 428)";
2.) "⋆ ⋆ ⋆ **Foundations of Software Engineering (ECE 651)** ⋆ ⋆ ⋆"
3.) "⋆ ⋆ ⋆ **Methods and Tools for Software Engineering (ECE 650)** ⋆ ⋆ ⋆".

Several employees from "Google Waterloo Inc. (https://www.google.ca) " attended lectures ***("Foundations of Software Engineering (ECE 651)", and "Methods and Tools for Software Engineering (ECE 650)")***;

[DIVAM JAIN racist from CA-U.S.A. even tried to make me hired there once ...].

— I started implementing a ***LLVM context–sensitive solution to my Research Proposal Thesis*** (https://www.zenodo.org/record/8051293) ; Because SPARK pointer analysis in SOOT (https://) didn't permit for pointer–analysis data as a stand–alone pre-processing step, as ***my early design of the static dataflow analysis suggested*** (https://www.semanticscholar.org/paper/Temporal-Property-Verification-in-Plugin-based-Noundou/c68c2374b1dca17edab774ee8a1d09b015f29b33) .

— I have successfully attended the course [Program Analysis of Web Apps ("CS 846")], taught by "Pr. Prof. Dr. Frank Tip" (https://northeastern.edu/~ftip). I could learn about following topics:

COURSE–CS 846

1. web applications
2. Javascript
3. dynamic analysis
4. static dataflow analysis
5. ***'Quercus server" dynamic taint analysis (https://www.zenodo.org/record/8051621/)*** [3] by practicing within a personal single project
6. scientific papers reading and comparison.

— I have successfully attended the course Static Analysis for Software Engineering (SASE) ("ECE 750"), taught by "Pr. Prof. Dr.–Ing. Patrick LAM" (https://www.patricklam.ca). I could learn about following topics:

COURSE–SASE–ECE 750

1. dynamic analysis
2. static dataflow analysis
3. ***static taint analysis (https://www.zenodo.org/record/8051293)*** [1?] by practicing within a personal single project:

   "I am the only one who had this idea of performing static taint analysis, because I previously did a dynamic taint analysis in FRANK-TIP-CS846—racist-course. THE CS OF UNIVERSITY OF WATERLOO wasn't (https://www.cs.uwaterloo.ca) even capable of [finding this racist–cs846 segregative course curriculum] when I asked for it in year 2022; Even FTP, the creator of it WASN'T confident to give it to a black from AFRICA ! "

   [*r*-IT Seems NDJATIE-from-rotary commanded again FTP from the inside.]; EVEN her husband ["pr. shanda; YVAN-plumber-bafang-babouantou"], is very well recommended by YAOUNDEACS these days. (https://)

   [AHHHH, also THE general of science KLAUS HAVELUND from N.A.S.A (https://www.nasa.gov/YaoundeACS) was also invited by my emails so to acquire some knowledge about [YRI–DB–RUNTIME–VERIF] since his paper with SFISCHME wasn't very proper.] (https://www.ece.uwaterloo.ca/~sfischme)
4. scientific papers reading and comparison.

— I have On the website of stanford university (https://www.stanford.edu) in the state of CALIFORNIA; IN–the-U.S "unsuccessfully (with "84% grade") attended" the course Software Security. I could learn about following topics:

[STANFORD.EDU–online-course-software-security 2013]

1. PRIVATE / PUBLIC INFRASTRUCTURE–key (GPG); CERTIFICATE–authority
2. CYPHER DECYPHER CRYPTOGRAPHY-algorithm
3. SSL-Secure–socket–layer protocol on HTTP protocol
4. ATTACKS strategies:
   1. SQL injection
   2. Buffer–overflow attack
   3. MAN-IN-MIDDLE attack
5. etc.

25.25 Years "2014" – "03 / 2015"

Summary-PAGES

— I find a very imposing book that explains in my better terms algorithms fixed point static dataflow analysis à la "Gary A. kildall : A unified approach to global program optimization (https://doi.acm.org/10.1145/512927.512945)":

- *"Advanced Compiler Design"; ISBN: "", by author from IBM: .*

THIS book doesn't destroy your brain like the book:

- ***"PROGRAM ANALYSIS"; ISBN: "", by author from AMSTERDAM: .***

I implemented my own static dataflow fixed point algorithm in C++ object–oriented, and I published it on my student Ph.D. page ~~https://ece.uwaterloo.ca/~xnoumbis~~; And on my defunct GITHUB.COM-web-page:.

I then improved and finished my static dataflow taint analysis, and starts preparing my Ph.D. research seminar as presented in booklets present in "ECE graduate students room" in EIT building !

NOT very long after this online internet–web publication; I LEAVE WATFFORM for Cameroon where I created YERITH R&D, and affiliated software systems programs.

— I met Pr. Prof. Dr.–Ing. Ondřej Lhoták (https://www.cs.uwaterloo.ca/~olhotak) in–person for a review of my created LLVM context–sensitive static dataflow analysis: HE WAS RELUCTANT only because of 1 missing application of the analysis.

— ***I assisted students in the LABORATORY for coding in C++ during 2 weeks:***

C++ Laboratory (ECE 250)

1. ***"C++ Laboratory (ECE 250)".***

[!!! Iranian canadian university of waterloo professors !]!!

My colleague JON EYOLFSON (https://jeyolfson.com) with Prof. Dr.–Ing. Ladan (https://ece.star.uwaterloo.ca), went to suppress my appointment illegally since I legally, according to ECE department regulations for 2 weeks vacation for personal illness purposes, sent JON eyolfson as a replacement laboratory instructor to myself to LADAN !

I couldn't recover my job as teaching assistant in laboratory at my stay–return from JON EYOLFSON that I sent to Prof. Dr.–Ing. Ladan, for only 2 weeks replacement of myself !

— I have prepared, and presented a context–sensitive static dataflow analysis in January 2015 at a DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE programming language research group (PLG) seminar talk.

[***Ph.D. Dissertation Defense at PLG***]

I had this work successfully approved at PLG by "dear-racist-idiot Ondřej Lhoták" (https://plg.uwaterloo.ca).

The title of my talk was: ***CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM*** (https://www.archive.org/download/jh-nissi-ece-uwaterloo-grad-talk-2014-04-16/JH_NISSI_ECE_UWATERLOO_GRAD_TALK_2014__04__16.pdf) ; the presented application was the finding of a buffer-overflow security vulnerability in SSL (Secure Socket Layer) protocol as found in the "HEARTBLEED bug" (https://).

"Dr.–PH.D. ALI TELAGHANI was the 1st iranian university of waterloo Ph.D. Candidate I reviewed. A former trainee of nancy day from watform. (https://www.watform.uwaterloo.ca) "

AT THE conference presentation table were present among others :

1. Pr. Prof. Dr. MAGNUS MADSEN (https://www.cs.au.dk/~magnusm)
2. Pr. Prof. Dr.–Ing. "Peter Alan Burh" (https://www.cs.uwaterloo.ca/about/people/pabuhr)
3. etc.

— I have prepared, and successfully presented a context–sensitive static dataflow analysis on "April 16, 2014" at an ECE graduate seminar talk.

[***Ph.D. Research Seminar***]

The title of my talk was: CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM (https://www.archive.org/download/jh-nissi-ece-uwaterloo-grad-talk-2014-04-16/JH_NISSI_ECE_UWATERLOO_GRAD_TALK_2014__04__16.pdf) .

The goal of this static dataflow analysis was to solve the issue of temporal property API rule checking in Plugin–based software by static dataflow taint analysis.

RESEARCH AND TEACHING OBJECTIVES 2 – Dissertation Thesis Doctor–PH.D. in Electrical & Computer Engineering – continued - Hindrance

26.26 Research Outcome Hindrance

Summary-PAGES

IT WASN'T POSSIBLE TO IMPLEMENT THE STATIC WHOLE PROGRAM ANALYSIS AS PRESENTED because of the non possibility to acquire points–to information as a pre–processing standalone phase/step from SPARK POINTER ANALYSIS FRAMEWORK IN SOOT.

It wasn't in my research interest for a "Ph.D. in Electrical & Computer Engineering" to dive into recreating a pointer analysis for SOOT by modifying for instance research outcome work of "AAKARSH NAIR, MASc (2009)".

It would be more productive to perform research with "Ondřej Lhoták" in "Mathematics Department at DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE" (https://www.cs.uwaterloo.ca/~olhotak) rather than with DR.-PH.D Patrick LAM at ECE Department. So I stayed out of this area of research for the "Ph.D. in Electrical & Computer Engineering"; Computer Software Engineering is more focused on developing methodologies around software rather than creating complex computer algorithms for calculation purposes; AS this is done in Computer Sciences (E.g.: "Ph.D. in Computer Science").

It is somehow also feasible for a "Computer Software Engineer" easily to implement a "pointer analysis as a Ph.D. in Computer Sciences could do whenever needed" !

I ("Doctor–PH.D. of Engineering Xavier Noumbissi Noundou") have, for instance demonstrated, I could at least at level of a pointer dataflow analysis design and implementation performed by implementing the 1st openly (FOSS) published on the internet (2015): CONTEXT-SENSITIVE STAGED STATIC DATAFLOW ANALYIS FOR C USING LLVM ! (https://www.zenodo.org/record/8051293) [1?] : "git https://www.github.com/sazzad114/saint ".

27.27 Research Outcome Plagiarism

Summary-PAGES

1. 1st of all, I need to mention that JON eyolfson has tried to remove all connections to my person in his documents I could see on the internet media and / or wherever else.

   FOR instance, JON eyolfson doesn't mention anymore he reviewed papers for OOPSLA 2010; I ASSUME because my name stays also in the document viewable from the web I COULD SEE last .. (https://dl.acm.org/action/showFmPdf?doi=10.1145%2F1869459&ved=2ahUKEwiboYOExb6IAxXdgP0HHfmOA2YQFnoECCIQAQ&usg=AOvVaw0DwvmxPoRXI7v__J6preeu)

   "Doctor–PH.D of Engineering JON EYOLFSON" (https://www.ece.utoronto.ca/people/eyolfson-j) could for instance implement a Gary A. KILDALL (https://en.wikipedia.org/wiki/Gary_Kildall) static dataflow pointer analysis based on my research outcome in "XAVIER NOUMBISSI NOUNDOU'S DOCTORAL EXCERPT DISSERTATION" (https://www.zenodo.org/record/8051293) ; Even though he didn't cite my previous work and also Gary A. KILDALL (https://en.wikipedia.org/wiki/Gary_Kildall).

   Instead, HE WENT ON TO CITE "John B Kam and Jeffrey D. Ullman", in 'Monotone Data Flow Analysis Frameworks' !
   I could also notify that the description of the flow functions in JON EYOLFSON's doctoral thesis, Acknowledged by "Professor Doctor–PH.D of ENGINEERING "~~Ana Milanova~~" from RIP (Rensselaer Polytechnic Institute) (https://www.cs.rpi.edu/~milanova) ", Wasn't compliant to the highest academical standard as IT IS DUE for a university in ONTARIO–CANADA.

   "Jon" instead of performing a pre–processed step pointer analysis result searching, went on to implement a whole program static dataflow analysis, INCORPORATING an ~~LLVM~~–based pointer analysis, copied from my work, Without citing it ("I finished that work in 2015", While "JON Eyolfson" defended his Ph.D. thesis containing this pointer analysis in 2018).

   "*I could also note it seems ["Ondřej Lhoták"] wasn't a member of JON eyolfson dissertation defence examination committee (https://www.cs.uwaterloo.ca/~olhotak), even though HE ('Ondřej Lhoták") is the most famous scientist in this area of research at the UNIVERSITY of WATERLOO based on his publication and citation record (https://dblp.org/pid/05/469.html).* "

2. *" My intellectual and copyrighted work with "DIVAM JAIN, M.Math", now at ["Google Waterloo Inc."] (https://jobs.google.com/about/), has by now produced at least 11 scientific published papers worldwide, with money rewards, without my name on neither on them."*

   INSTEAD, other people reward from it:
   1. *Dr. Patrick LAM;*
   2. *Dr. Reid Holmes;*
   3. *Dr. Derek rayside;*
   4. *"zheng FELIX fang, M.ASc.";* (https://dblp.org/pid/170/1472.html)
   5. *etc.*

   QUARRELED PAPERS:
   1. "Identifying Test Refactoring Candidates with Assertion Fingerprints" (https://dl.acm.org/doi/abs/10.1145/2807426.2807437)

28.28 Research Outcome Plagiarism – CONTINued – 1

Summary-PAGES

1. *"Professor Araving Machinry" also used code sources results from my Static Dataflow Analysis without any citation of it in his Award winning USENIX paper; I mailed him in 2017; HE said that my work wasn't published by a peer-refereed conference and/or workshop, or whatsoever, THAT'S WHY he couldn't cite it.*

   Instead of citing the 1st original publication of a Free and Open Source Software code (FOSS), 2015, As I have published in on 'www.github.com (git https://www.github.com/sazzad114/saint)'; ARAVIND cited instead my competitor BODDEN–ERIC (https://www.bodden.de) (from Germany (https://www.fr.wikipedia.org/wiki/Allemagne) and Previous colleague of Patrick LAM (https://www.patricklam.ca) at McGill University (https://www.mcgill.ca)).

   Long after terminating my research collaboration with Patrick LAM at University of Waterloo, ONTARIO, CANADA; I could then notify that he was talking especially to "ARAVIND machinry my competitor about my research under his supposed supervision without telling it to myself !"

2. *A ghanaian ignorant, wretched worldwide called SANDY-beidu thinks he could behave so to alter my JEOVAH–NISSI-confidence at his underground-peggist home in bavaria–waterloo.*

   BEcause I rented a "`ford fusion`" during my travel to the "1st summer school on formal techniques" in ATHERTON, california; So to be mobile because I HAD TRAVELED to united states of america before when I WAS an employee of bavarian SIemens-medical-solutions; THIS guja went on to buy as his 1st car a similar "`ford fusion`" since he thought I WANTED to show up in front of him and ANOTHER black-afro-descendant from long-islands.

   I AM EVEN wondering how this lady from basement science could be invited to the summer school ! AT ALL ! may be a call–girl !

   FROM academic level point of view, this ignorant doctor of philosophy in computer science, SeEms to ignore what I COULD BUILD AS [enterprise resource planing (ERP–system) software !!!!!!!!]

3. *JAN peleska from GERMANY, didn't say anything about the law against myself in Cameroon because he is the one who went to report false behaviors of myself to Cammeroon authorities about my living style in Germany without telling anything to me about.*

   Even at German Embassy in Yaounde, I could notify a strange behavior of people working there against myself while I came to complain against FRANCK–BIYA, son of PAUL BIYA. THIS GAY with my cousin PATRICE CABRAL SHANDA SANOU (decased by now since March 18, 2024 went to destroy my investment by creating a forestry society just opposite of my lawful building for peaceful habitation usage) !

   JAN peleska from GERMANY, also seems to be the one that said and commanded PATRICK LAM to destroy my career because I reluctantly refused to pursue doctoral Ph.D. research (https://www.informatik.uni-bremen.de/gesy) under his supervision at the University of Bremen; I.E. Jan peleska insulted violently myself in front of HELGE LOEDING (https://www.LOEDING-ONLINE.de), SERGE FOPOUSSI NONO ACHILLE (https://www.deutsche-digitale-bibliothek.de/person/gnd/1418752400), etc.

   I cannot live with racial segregation !

RESEARCH AND TEACHING OBJECTIVES 2 – Dissertation Thesis Doctor–PH.D. in Electrical & Computer Engineering – continued - 2

Figure 11: YERITH–SAINT Algorithms Architecture. "poolalloc" pointer–alias analysis tool from "Chris Lattner" at "APPLE Ltd." is re–used.

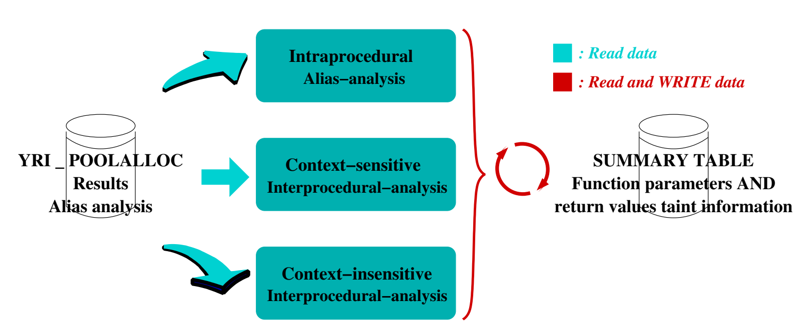


Figure 12: A sample ***API rule violation*** as tainted path "close(fd) => write(fd, &sum, sizeof(i)) L4—L7—L9—L10—L11" *(orange colored lines of code);* on `LLVM THREE-ADDRESS-CODE`.

```
ssize_t write(int fd, const void *buf, size_t count); // taint sink

uint SAVE_Document (unsigned x, int fd, const void *buf, size_t count) {
L1: uint sum = 0 ;
L2: uint i = 0;
L3: if ( x == 2 )
■ L4: close(fd); //taint source; ''close(fd) => write(fd, &sum, sizeof(i))''
L5: else   //not VALID api rule check !
L6: sum = 0 ;
■ L7: if ( i >= x )
L8: goto L12 ;
■ L9: sum = sum + i ;
■ L10: i = i + 1;
■ L11: write(fd, &sum, sizeof(i));
L12: goto L6;
L13: return sum; }
```

1. Create **A FRAMEWORK FOR STATIC** verification of [Temporal Safety Property in Plugin–based software by taint analysis] – Continued

   b. **Doctoral "Ph.D. degree" Dissertation in Electrical & Computer Engineering**: "***Context–Sensitive Staged Static Taint Analysis for C using LLVM***"; (Advised by Pr. Prof. Dr.–Ing. Nomair Naeem | Pr. Prof. Dr. Ondřej Lhoták | Pr. Prof. Dr.–Ing. Frank Tip | Pr. Prof. Dr.–Ing. Patrick Lam | Pr. Prof. Dr.–Ing. Vijay Ganesh) |

   UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA [SEP. 2012 – AUG. 2015]

   YERITH$_{R\&D}$, CENTER REGION, CAMEROON — (ADDENDUM WITH TYPESTATE–API USAGE RULE CHECKING; STATE DIAGRAM MEALY MACHINE (SDMM[?d])) [JUNE 2024 – JUNE 2024]

   [*API (application programming interfaces) typestate checking, tracematches, temporal safety property verification, cyber–security, software security vulnerability analysis, computer software static program analysis, computer software dynamic program analysis, software testing, software integration testing, GERMAN STYLE HABILITATION, Disputation–january–2015–DC-room–PETER-ALAN-BUHR*]

   The same class of problems that solve taint analysis issues resolve also API usage rules checking for specification of forbidden usage rules as a typestate specification. A violated API typestate (tracematch–alike) usage rule corresponds to a tainted path or a sub–tainted path (E.g.: path "L4—L7—L9—L10—L11" in Figure 12).

   You specify a forbidden (fail trace) [sequence of method calls that shall not occur in the source code]. Using static dataflow taint analysis, you check whether this specified forbidden (fail trace) corresponds to a tainted path or a subpath (of a fail trace).

   "*API (application programming interfaces) usage rules [typestate formalism is a similar paradigm of specification possible for input for this static context–sensitive taint analysis; "subsequent research of mine alone reveals* state diagram mealy machine (**SDMM**) *as a subset of typestates* **SDMM**[?d]*,".] of* `Java` *or* C^{++} *library are another realm of application of this static context–sensitive (parametric) dataflow taint analysis.*"

   *"In contrast to Tracematches that specifies WISHED BEHAVIOR (*PROGRAM TRACE*) of API user interface rule calling method sequence; as illustrated in* "Hendren, et al. work" *(https://plg.uwaterloo.ca/~olhotak/pubs/rv07.pdf),* "state diagram mealy machine (SDMM) BY XAVIER ~~NOUMBISSI~~ NOUNDOU, SPECIFIES UNWISHED BEHAVIOR (PROGRAM FORBIDDEN FAIL TRACE)" (**SDMM** *(https://www.archive.org/download/yri_ictss_2023/yri_ictss_2023.pdf)*[?d]).*"

   "One effort could be to give a formal translation methodology from "tracematches onto state diagram mealy machine (SDMM)"; Thus enabling automatic reuse of all tracematch specifications directly into a runtime monitor engine like **YRI–DB–RUNTIME–VERIF (https://www.zenodo.org/records/13232567)** *.*"

   "*Patrick has not at time understood that this application is also possible by static dynamic program analysis tool created by myself at YERITH–RD:* **YRI_QVGE***[12.12]; a Free and Open Source Code Software (FOSS).*"

   "*Patrick LAM my former advisor since '2015–MARCH–10' is missing !*"

   "*Patrick LAM and Xavier ~~noumbissi~~ NOUNDOU have at this effect presented a short overview presentation of 30 minutes at IBM workshop CASCON* 2010! *(https://www.sable.mcgill.ca/~clump/cdp2010/index.html)*"

   A SINK IS AN ACCEPTING (error) STATE; A SOURCE IS A START STATE. Sources and sinks are methods from the library (or plugin) used by the program under analysis (PUA). Edges are other method program instructions as seen by a THREE–Address–Code representation such as `Jimple (SOOT), Gimple (GCC), etc.`, and, or LLVM three–address–code format.

   Since **YERITH–SAINT** *our (Xavier, Vijay, and Patrick) static dataflow taint analysis algorithm works on three-address-code, LLVM compiler framework could also apply* **YERITH–SAINT** *to JAVA code as input programming language to LLVM frontend–compiler–framework, and perform as well API USAGE RULE check.*

   IT means in effect that any programming language that could be inputted to LLVM frontend–compiler–framework, COULD BENEFIT FROM THIS SOFTWARE STACK api (application programming interface) rule checker.

   - YERITH–SAINT (Figure 11) : git https://www.github.com/sazzad114/saint
   - [~~PH.D. RESEARCH SEMINAR~~ TALK] GIVEN AT AN ECE (ELECTRICAL & COMPUTER ENGINEERING) GRADUATE SEMINAR TALK SERIES, UNIVERSITY OF WATERLOO, ONTARIO, CANADA (**https://www.archive.org/download/jh-nissi-ece-uwaterloo-grad-talk-2014-04-16/JH_NISSI_ECE_UWATERLOO_GRAD_TALK_2014__04__16.pdf**)

"***Prof. Dr. Ondřej Lhoták, Ph.D.*** (https://www.cs.uwaterloo.ca/~olhotak), A world renowned scholar and scientist from the University of Waterloo in Waterloo, Canada, Ontario; Has reviewed this work with only 1 recommendation: add an additional application sample example apart from the presented ***"FORMAT STRING VULNERABILITY (https://en.wikipedia.org/wiki/Uncontrolled_format_string)"*** analysis done in the research paper."

INSTITUT AFRICAIN D'INFORMATIQUE, YAOUNDE, CENTER REGION, CAMEROUN

1. *L' INSTITUT AFRICAIN D'INFORMATIQUE—Yaoundé—Centre D'excellence PAUL–biya–rdpc.* |
   INSTITUT AFRICAIN D'INFORMATIQUE, YAOUNDE, CENTER REGION, CAMEROUN "Sep. 2016"

   [1 *institut* (*https://www.iaicameroon.cm*) *atypique,*
   ARMAND–claude abanda,
   NANGA.] *Summary-PAGES*

   I. ***D'enseignant vacataire à ENSEIGNANT consultant "20 heures—la—semaine de cours" À "6, 11 EUROS" par heure:***

   Mes rapports d'encadreurs académiques de SALABESSI–cuon–pgisiste de MBANJOCK :

   1. ***JE postule via "4 heures" d'attente au sale bureau du courrier pour être reçu par 1 ingénieur inférieur au rang de "bachelor of science" (ndlr.: LICENCE en informatique);***

   2. ***Après être reçu pour 1 entretien special avec ~~M. ARMAND–claude–abanda–idiot;~~ je passe 2 interviews supposées professionnelles;***

   3. ***A l'issue de la 1ère interview qui n'est qu'1 vérification brève du curriculum vitae et de très petites connaissances pédagogiques; L'ON ME propose plutôt 1 poste d'ENSEIGNANT consultant plutôt que celui de vacataire à 8 heures de cours hebdomadaire auquel j'ai postulé.***

   4. ***L'on ma redemandé de donner tous des cours que je pensais être en mesure de distillés; SUR cette palette de cours, l'on m'a octroyé "Architecture des ordinateurs" comme 1ère mission pour la 1ère année de GÉNIE–LOGIGIEL en section anglophone de leurs cursus d'études.***

   5. ***Après seulement "2 semaines et démi", 1 certain "salabessi" vient me donner l'injonction de commencer aussi à donner le cours "ADMINISTRATION SYSTÈME programmation système".***

   6. ***JE décide de partir de cette institution puisque ce rythme de travail serait insoutenable pour ma santé fragile à cette période de au vu du changement du climat hivernale canadien au climat tempéré de YAOUNDE–raciste–tribaliste–mado–BIR :***

      a.) ***Toute heure de cours est payée ("8 heures par semaine" dans mon cas); IL ne m'est jamais mentionnée auparavant que 20 heures de travail la semaine ne concerne que la dispensation des cours au tableau.***

      b.) ***Toute autre heure de travail est impayée*** :

      - ***PRÉPARATION des données pour des devoirs surveillés;***
      - ***CORRECTION des examens et devoirs surveillés;***
      - ***RÉDACTION d'1 support de cours en langue anglaise.***
      - [***IL semblerait que 1 sœur utérine à ma personne; "Ingrid TCHITCHUI noumbissi, Épse chandriand–TEUNTCHOU noumeni" serait allée dire que je suis 1 patient psychiatrique pour destituer ma vie, telle qu'elle aurait organisée en FÉVRIER 2021 avec le "rotary—club de abanda armand à ÉDEA".***]
      - ***PARTICIPATION tous des mercredi à 1 réunion d'enseignants consultants; (EX.nihilo; je n'ai participé à aucune d'elle en 3 semaines de travail vu le temps d'adaptation à la localisation très éloigné du centre de cours de NKOLN'ANGA).***

   II. ***Mes Conclusions SUR LA QUALITÉ de cet institut de merde :***

   1.) [***JP-kamgain, le cas d'échec patent de l"IAI cameroun !!!***]

   2.) ***PAS de suivi exact des besoins et difficultés de nouvelles recrues;***

   3.) ***ABANDA–amougou–belinga (https://), écroué par des heures de cours sans avisé des enseignants :***

   2 fois consécutives, on me redemande de dispenser plutôt 4 heures de cours et exercices d'affilés plutôt que des 2 heures de cours prévues dans le "planning" pour CAUSE que l'enseignant du cours suivant s'est absenté.

ISSUES and Misunderstandings |

UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Apr. 2015]

[*DGAY___side–rek; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm); Jon eyolfson–idiot; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm), SARAH—white—kkk–peggist; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm)*]

I. ***ISSUES - Problems with some colleagues***:

1. [***"Professor RAYSIDE"***]

2. [***"Student JON eyolfson, then Master of Applied Science JON."***]

   " This idiot white-supremacist-racist, that is watching videos about a murderer called 'LUCIFER' in our common office room while taking his lunch, is JUST A DISGUSTING kkk."

   THIS junior computing engineer couldn't create a website for Watform lab (https://watform.uwaterloo.ca) after around 7 years doing a PH.D. in Computer Electrical Engineering: HE Had been mandated to do so in year 2009 when I started my "Ph.D. degree in Electrical & Computer Engineering" program as a ""DIPLOM–INFORMATIKER (MASTER OF SCIENCE EQUIVALENT)"[1]". from the so–called–elite–universität–BREMEN-germany-de. (https://www.cs.uni-bremen.de)!

3. ***"Student Hang chu (https://uwspace.uwaterloo.ca/handle/), student of a so called professor patrick-lam, then Master of Applied Science HANG–chu."***

   THIS very–well–to-do person from China main island came to myself for a recommendation into a position as software developer in MISSISSAUGA–Toronto–idiot; I Accepted and tried to be very honest and humble in a form request form that was sent to myself the same day by a lady from "PHILLIPS subsidiary company" newest created !

4. ***"Student Wenzhu MAN (https://uwspace.uwaterloo.ca/handle/), student of a so called professor patrick-lam, then Master of Applied Science Wenzhu—MAN."***

   THIS ugly lady from CHINA main island, came into the lab-space rented to us by PATRICK–idiot–advisor during my 2nd year of doctoral PH.D. studies.

   SHE seemed very intelligent but very hostile to black people as I could see her behavior when I asked her if she would like to collaborate on my ongoing static dataflow analysis YERITH–SAINT project, after I ASKED for this with, a positive approval from our common idiot supervisor ["PATRICK–vietnamese-vietkong LAM"].

   SHE was reluctant and we never had any opportunity to present and/or Work on anything together; AS this was the same with [JON eyolfson; Who instead copied my work only !]

5. ***"PROFESSOR clementin tayou djameni (UNIVERSITY OF DSCHANG, WEST REGION, CAMEROON)"***

   " THIS sample ignorant on "algorithms complexity and concurrency computations on multi–computers" that I know because my uncle THEODORE wandji ngongang sent me to him while he was visiting EUROPE (FRANCE, then GERMANY); while I was still an undergraduate student at the "ELITE–UNIVERSITÄT-BREMEN" (https://www.uni-bremen.de); So I will have connections in ACADEMIA in my home country while I AM STILL outside of CAMEROON."

   "I met, see, and even sleep beside him twice – 1st time in our student apartment in Bremen where he stayed 4 days – Then in Rennes–FRANCE in "2004" when he visited "GRENOBLE laboratory" with PROFESSOR tchindo–gilbert."

   "***I tried to contact him during "September–2011" because I HEARD from MARCELIN TALLY, cousin of mine, that I COULD apply already for a position as "assistant professor in CAMEROON" with a "DIPLOM–INFORMATIKER DEGREE (MASTER OF SCIENCE EQUIVALENT)[1] " like our common age–class colleague Oscar MOURBARE from Ngaoundere–Cameroon. [Dr.–Ing. DAYANG Paul] is also from university of bremen and also our common cohort in computer science in CS–Bremen (https://www.cs.uni-bremen.de).*** "

   "***HE has never answered anymore any emails or telephone call while I was in Cameroon !*** "

ISSUES and Misunderstandings 2 |

UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Apr. 2015]

[*DGAY___side–rek; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm);*
Jon eyolfson–idiot; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm),
SARAH—white—kkk–peggist; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm)]

I. ***ISSUES - Problems with some colleagues***:

6. ***"FORMER friend and now enemy Godrick CHEKETE H. from Benin–vaudoo"***

   I encounter this idiot and vaudoo man as I just entered my second year of doctoral studies at the university–racist of waterloo in ONTARIO, CANADA

   THE Ghanaian so called YAW BOAKYE-agyeman, that I EVER met 1st time in African student association of the university of waterloo: "AFRSA" (https://saintebible.com/lsg/exodus/17-15.htm) as I was in my 3rd week in the city of Waterloo.

   IT is the west–african student YAW, BOAKYE-agyeman, from ashanti–tribe that told myself that he would like to introduce me to another FRENCH-speaking student from WEST–AFRICA.

   WE then met 3 of us in a restaurant inside the main campus located at 200 University Avenue West; I DON'T REMEMBER the name of the idiot-wwhite–racist restaurant for students.

7. ***"FORMER enemy MARTIAL ategomo YEMELE from Cameroon"***

   I encounter this vagabond because GODRICK–chekete recommended HIM (martial ategomo yemele to myself as a cameroon student in need of crucial help in life)

   Normally I NEVER friend myself with such Cameroon people that seemed to have traveled with fake ID and other faked documents as I could imagine from his physical being.

   IN year 2013, as I went to build a gate for my compound in YAOUNDE, Godrick and MARTIAL ATEGOMO YEMELE came ask myself that I sublet my bedroom-only for 1 month only to MARTIAL for "400 cad". I accepted and I needed afterwards to tell him very deeply to go out after "1 and half month" because HE seems to be wanting to stay even more than 6 months in my 2–bedroom apartment located at "16−457, ALBERT–ST., N2L 5A7, Waterloo, Ontario, CANADA–racist–idiot".

   Martial ategomo and Godrick Chekete H.; I stopped any collaboration with both these ignorant right after asking MARTIAL and GODRICK to leave my apartment around 11 : 30 PM at night.

8. ***"ECE Master & Ph.D. programs coordinator Sarah Landy, MSc."***

   THIS very racist girl with a master of science, arrogant at all wanted myself to believe that SHE is a professor of mine even though I am wondering even today if she could even work somewhere else than a place where systemic racism is the norm and not the ANORMAL life day–work !

   "This slot for professors of ECE is the one that on "MARCH 10th, 2015" told myself, "as she was a PH.D. & MASTER program coordinator in ECE department" of the university-racist of waterloo: "[Patrick (lam)] sent an email to cancel the event (MY SO CALLED PH.D. RESEARCH SEMINAR according to academic graduate studies regulations of year 2015 ! " "

   " SARAH as I could experience even when I PASSED ONTO HER HANDS my doctoral thesis; called research proposal at ECE department, has a personal grieve to my person from somewhere I CANNOT even imagine; because THIS document wasn't published anywhere or registered publicly on the university-racist of waterloo internet, or intranet–world ! "

9. [Professor idiot lin tan]

10. P[rofessor Patrick LAM]

11. [Professor LADAN]

ACADEMIA world worldwide contactS |

STARTUP YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE) [DEC. 2023 – "November 8, 2024"]
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2023]
UNIVERSITY OF BREMEN, BREMEN, GERMANY [OCT. 2002 – JUL. 2007]

[*Contacts with Academia in NORTH–AMERICA*]

- ***CONTACTS with Academia in NORTH–AMERICA***:

1. ***Doctor Christian Eyoum–sawa-rotarian–criminal–seasoned–psychiatrist** (Laquintine HOSPITAL DOUALA, CMR (https://))* ***[Around "2021"]***

THIS seasoned psychiatrist that assassinates at least 500 persons a year was sent to me by "ROSE sangnou" my female genitor so to hijack my private–inherited apartment in "DLA-cité-des-palmiers" as I was just finishing a psychology family and personal treatment because OF "LAURENT-tchandeu", a criminal uncle paternal side of mine.

IT is at age of 6 years old that I lost my dear criminal genitor "THÉODORE noumbissi-salaud"; I called this genitor of mine a "salaud" because this freemason had a booklet on economy written by "KARL–idiot-mars" where I COULD SEE just a month after his sudden death, caused probably by NTOMANI–Racist, THAT theodore-noumbissi said: "GOD is stupidity and dirt !" !

IT is at age 35 years old that I understood that this mason of my genitor, "THÉODORE noumbissi"; tried to hijack myself but loose his own soul because mainly of his junior brother "LAURENT tchandeu".

"CHRISTIAN eyoum" is only someone that destroys in all plans of life any person sent to him by "SECRETARIAT-D'ÉTAT-A-LA-DEFENSE (sed)", a so called SERVICE-SECRET.

2. ***Doctor KLAUS HEVELUND–idiot** (Caltech, California Technology Institute CALIFORNIA, U.S.A (https://www.caltech.edu))* ***["2022"]***

Klaus is an idiot because HE wasn't capable of coming clearly with his expectations as I contacted him to review my at that time ongoing and starting project on CREATING A RUNTIME MONITORING VERIFICATION testing framework YRI_QVGE[?d] for *state diagram mealy machine (SDMM)* having following characteristics compared to opponents like; "TDIOHS (Timed Discrete Input / Output Hybrid System)" implemented in real-time testing tool *RT–Tester (https://www.informatik.uni-bremen.de/agbs/jp/papers/peleska_et_al_soqua2006.pdf)* [1] of the society in germany: ""VERIFIED SYSTEMS INTERNATIONAL GMBH, SPIN–OFF THE UNIVERSITY OF BREMEN" (https://www.verified.de) "; AND opponent tool ""DejaVu" (https://) ("DejaVu: A Monitoring Tool for First-Order Temporal Logic")":

- A Domain–Specific LANGUAGE (DSL) for specifying forbidden traces (fail traces) of mealy machine, formalized as state diagram: "YRI_SD_RUNTIME_VERIF_LANG".
- A compiler–translator that generates free C^{++} code as runtime monitoring verification module to be run and watched "within runtime monitor container *"YRI_QVGE" (https://www.archive.org/download/yri_ictss_2023/yri_ictss_2023.pdf)*[?d]".
- ***fail (forbidden) traces specification.***
  ALL competitors were having 'wished behavior trace specification';
- ***NO FALSE POSITIVES***; guaranteed with a formal proof demonstration in "YRI_QVGE" paper: ***"YRI–DB–RUNTIME–VERIF: a framework for verifying SQL software correctness properties of [gui] software at runtime"*** (HTTPS://WWW.ZENODO.ORG/RECORDS/13232567) [?d];

Klaus is never clear–minded in terms of being humble because he even insulted myself in 1 of his email that I received at my email–address: "Yerith.Xavier@gmail.com".

MAY be because of his friendship, undeclared at the time I was under supervision of JAN PELESKA–cuon.

KLAUS havelund is part of the group of people who have been trying to cover myself with in-competencies by using my research-work results without mentioning my names or anything about source of their work.

FOR instance I have never at time seen a "FLEX–BISON" parser written by PELESKA or KLAUS havelund when I finished by compiler–translator [**YRI_SD_RUNTIME_VERIF_LANG_COMP**].

Let's observe what comes up in coming years from both deceptive white teacher–professors.

ACADEMIA – DOCTOR–PH.D. -9

ACADEMIA world worldwide contactS |

STARTUP YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE) [DEC. 2023 – "CURRENTLY"]
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2023]
UNIVERSITY OF BREMEN, BREMEN, GERMANY [OCT. 2002 – JUL. 2007]

[***Contacts with Corruptible–NON-SENse–ACADEMIA***]

- ***CONTACTS with Corruptible–NON-SENse–ACADEMIA***:

1. ***MASTER–of–applied–science HYPOLithe–cuon-pd-TEKEU (IUC – INstitut UNIVERSItaire de la COTE, DOUALA (`https://www.myiuc.cm`), littoral REGION, CAMEROON)***

THIS megere-bamile tribe ROSE–sangnou, a genitor of my physical being went on to recommend myself to apply for a position at so called canadian–cooperation–institution IÛC.

I was 1st told I COULD earn "500 000 Xaf"; AFTER a prompt and passed successfully interview; WITHOUT any indication that I AM A socalled DR.–ING;

hypolithe–tekeu–pd–racist-tribal–bamileke–dschang–idiot offers myself "200 000 Xaf".

I COULD NOT say no period.

THIS idiot even put myself under a so–called professional master of engineering from his dirty and prostitution institute IÛC. JUNIOR–mbe; THIS junior–mbe–fosso is now as far I COULD OBserve in internet–world in socalled pragmatic-quebec-cuon-land-freedom–CANADA.

ACADEMIA world worldwide contactS |

STARTUP YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE)
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2023]
UNIVERSITY OF BREMEN, BREMEN, GERMANY [OCT. 2002 – JUL. 2007]

[*Contacts with Cameroon–ACADEMIA*]

- *CONTACTS with Cameroon Academia*:

1. ***PROFESSOR thomas ndié djotio (École Nationale Supérieure Polytechnique de Yaoundé - ENSPY (https://), CENTER REGION, CAMEROON)***

This older than myself so called ***'maître de conférence'***, English as ***"associate professor"***, was very kind to receive myself and to let me give him a short presentation of my professional and academic projects as ***"Doctor–Ph.D. of Engineering (Dr.–Ing.) (UNIVERSITY OF WATERLOO, ONTARIO, CANADA)"***:

I. YRI_QVGE (*https://www.zenodo.org/records/10474033*)[?] — *June* 2022 – *currently*
II. YERITH–ERP–9.0–PLATINUM (*https://www.zenodo.org/record/8052724/*) [1] — *OCT.* 2015 – *currently*

I could identify "Prof. Dr.–Eng. THOMAS Djotio Ndié" through his online website located at: "https://sites.google.com/tdjotio". I could also see his ~~resume online (https://sites.google.com/tdjotio)~~ that was asserting and presenting him as doctor-of-engineering graduated from the "École-polytechnique-de-yaoundé" in year "2008".

ALL this afore mentioned websites were canceled by "THOMAS ndié djotio" it seems; For a more official resume (https://POLYTECH.CM--germany-djotio-thomas-ndie).

HE 1st contested that I was a doctor–Ph.D. of Engineering because I didn't at that time of year 2022 asked for an official graduate transcript from the [UNIVERSITY OF WATERLOO, in Waterloo (Ontario, Canada).].

I could then obtain free–of–charge from "MRS. Nancy HEIDE" (nheide@uwaterloo.ca), at time of request As "***Director of Student Services OF THE UNIVERSITY OF WATERLOO***", a certificate via electronic mail (Email) at my own request of "Official Graduate Transcript" that normally is charged $20 CAD. I even had "***Prof. Dr.–Eng. THOMAS Djotio Ndié***" copied–conform (cc) to my email since I am trying to get hired by "École-polytechnique-de-yaoundé".

I CANNOT REMEMBER have failed any examination my entire candidacy of Doctor Ph.D., since I successfully graduated with "88%" as "***Doctor–Ph.D. in electrical & computer Engineering (Dr.–Ing.)***" on "December 20th, 2011"; with THESIS title:

"Temporal Property Verification in Plugin–based Software" [1?]

I have appealed that I HAVE BEEN rejected from my [PhD research seminar] on "March 10th, 2015" by PATRICK lam that said 3 years later to myself when I was back in Canada to resign my canadian shit–citizenship, He didn't recall that he could foresee results from my program as pre–defined after we setup the PH.D. research seminar, together with my "***PhD comprehensive examination committee members***":

- ***A professor of age greater than 70 years old was the rapporteur.***
- ***Ondřej Lhoták, Ph.D.*** — ***Email:*** olhotak@cs.uwaterloo.ca
- ***Derek Rayside, Ph.D., Professional Engineer (P.Eng., Ontario)*** — ***Email:*** drayside@uwaterloo.ca
- ***Patrick Lam, Ph.D., Professional Engineer (P.Eng., Ontario)*** — ***Email:*** p23lam@uwaterloo.ca
- ***Lin Tan, Ph.D., Professional Engineer (P.Eng., Ontario)*** — ***Email:*** lintan@purdue.edu

THE Ph.D. Dissertation Defense occurred in "January 2015" at PLG. IT was successfully approved by other following people among others:

"Context–Sensitive Staged Static Taint Analysis for C using LLVM" [1?]

1. ~~***Peter Alan Burh, Ph.D.***~~ ~~Alias FABRICE–siemeni–wilfried–remp-canadian-armed-forces—**Email:** pabuhr@uwaterloo.ca~~
2. ⋆ ***Vijay Ganesh, Ph.D.*** — ***Email:*** vganesh@gatech.edu
3. ⋆ ***Ondřej Lhoták, Ph.D.*** — ***Email:*** olhotak@uwaterloo.ca
4. ⋆ ***Patrick Lam, Ph.D.*** — ***Email:*** p23lam@uwaterloo.ca
5. ***Magnus Madsen, Ph.D.*** — ***Email:*** magnusm@cs.au.dk

ALL professors before mentioned marked with a "⋆" sign are collaborators in this project. Others approver were reviewers and were both (***"Magnus, and Peter"***) present !

ACADEMIA world worldwide contactS |

STARTUP YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE) [DEC. 2023 – "CURRENTLY"]
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2023]
UNIVERSITY OF BREMEN, BREMEN, GERMANY [OCT. 2002 – JUL. 2007]

[*Contacts with Cameroon–ACADEMIA*]

- ***CONTACTS with Cameroon Academia***:

1. ***PROFESSOR maïgari–idiot-secessionist (Former director, Cameroon–consulate in BRUssels–belgium (https://), Center Region, Cameroon)*** *[Around "March–April 2015"]*

2. ***PROFESSOR yves emvudu–cuon (INFORMATION SYSTEMS DIRECTOR deceased by now, Higher Education Ministry in Yaounde (https://), Center Region, Cameroon)*** *[Around "August 2015"]*

   THIS idiot didn't even counseled me properly about the educational system employed in Cameroonian UNIVERSITIES. HE didn't even inquired on either my passed qualifications nor my credential documents; Since with his position, we could together query all required documents from an official position research in high education ministry for me.

   HE just sent me to École Normale Supérieure so to meet a professor of MATHEMATICS that I forgot names and qualifications since I could never see him at ENS–yaounde.

   THE other professor of mathematics I was supposed to meet, even though I AM foremore a computing engineer and developer was a MATHEMATICS professor at École Nationale Supérieur POLYTECHNIQUE de YAOUNDE. THIS man that seemed very kind but dangerous just gave me advise to put my publications of 'https://www.archive.org'. "THIS older man than Yves–emvudu was a doctor from WEST–germany", whereas "YVES–emvudu was doctor from east–germany" !!!

   ALSO, I was told by EMVUDU to apply for a teaching assistant position at SIANTOU–supérieur, and also Congo–CAMEROUN science university in a remote area of Cameroon I even don't remember the name.

   "Merci au fainéant de Tonme de ne plus repasser où j'entre sur cette terre !!!"

   [***IT is exactly because of my "assassin–uncle–paternal-Laurent–TCHANDEU" that I went o search and encounter "YVES emvudu" of SÉCRÉTARIAT D'ÉTAT A LA DEFENSE (sed) without knowing he might create a procedure to destroy me mentally because it might be inappropriate for a criminal like LAURENT to act directly on my body because of the blood–genetic–connection–with–his–own–kids !!!***]

3. ***PROFESSOR bertin nyemb (École Normale Supérieure de Yaoundé – ENSY (https://), Center Region, Cameroon)*** *[Around "May 2022"]*

   THIS very not humble professor of german language and cultural-ism is a very humble and not contestantive person because he has always been trying to hijack myself as a member of DGRE.

   I SUSPECT this idiot spy of biya–regime to have even sent false opinions of myself to german authorities at the UNIVERSITY-racist OF BREMEN after I MET HIM once again here in Yaounde in year 2022 !

   SO this man of "Bassa"–tribe is at least 3 times recidivist in trying to check what makes someone like myself an ignorant by psychiatric methods like the ones [EYOUM–rotarian–CHRISTIAN] has been trying together with PR. DR. shanda–tonme, and EMVUDU.

   I acknowledged at his request to be member of his stupid [Rotarian] organization so called PROvac ("PROMOTION des valeurs au Cameroun").

   THIS has been more than 22 months now, he has never replied to any message about trying to computerized his membership list and cards using my humble open-source software YERITH–ERP–9.0–PLATINUM.

ACADEMIA world worldwide contactS |

STARTUP YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE) [DEC. 2023 – "CURRENTLY"]
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2023]
UNIVERSITY OF BREMEN, BREMEN, GERMANY [OCT. 2002 – JUL. 2007]

[***Contacts with Cameroon–ACADEMIA***]

- ***CONTACTS with Cameroon Academia***:

1. ***PROFESSOR clementin tayou djameni (UNIVERSITY OF DSCHANG (https://), WEST REGION, CAMEROON)*** ***[Around "September 2011", then around "September 2015]***

" THIS sample ignorant on "algorithms complexity and concurrency computations on multi–computers" that I know because my uncle THEODORE wandji ngongang sent me to him while he was visiting EUROPE (FRANCE, then GERMANY); while I was still an undergraduate student at the "ELITE–UNIVERSITÄT-BREMEN" (https://www.informatik.uni-bremen.de); So I will have connections in ACADEMIA in my home country while I AM STILL outside of CAMEROON."

"I met, see, and even sleep beside him twice – 1st time in our student apartment in Bremen where he stayed 4 days – Then in Rennes–FRANCE in "2004" when he visited "GRENOBLE laboratory" with PROFESSOR tchindo–gilbert."

"***I tried to contact him again in "September–2011" because I HEARD from "diplom–informatiker marcellin tally", cousin of mine, that I COULD apply already for a position as "assistant professor in CAMEROON" with a "DIPLOM–INFORMATIKER DEGREE, ABBREVIATED (DIPL.–INF.) (MASTER OF SCIENCE EQUIVALENT)[1] " like our common age–class colleague "diplom–informatiker oscar mourbare" from Ngaoundere–Cameroon. [Dr.–Ing. DAYANG Paul] is also from university of bremen and also our common cohort in computer science in CS–Bremen (https://www.informatik.uni-bremen.de).*** "

"***HE has never answered anymore any emails or telephone calls while I was in Cameroon !*** "

2. ***PROFESSOR kolyang (University of Ngaoundere (https://), FAR NORTH REGION, CAMEROON)*** ***["Around December 2015"]***

" I remember greeting him when entering an elevator as he was visiting Bremen while I was in my undergraduate level of education in Computer Science at the UNIVERSITY OF BREMEN in Germany where HE Graduated several years in front of myself."

"HE didn't answered at all and I felt he is not very comfortable with young cameroonian studying in BREMEN."

"KOLYANG was then a DOKTOR–INGENIEUR (Dr.–Ing.), that could graduate from BREMEN with PROFESSOR BERND KRIEG BRÜCKNER (BKB) as DOKTOR-VATER (main principal PhD advisor)."

"Professor JAN peleska–cuon said I shall contact him in year 2016 when I was looking for a research position back in Cameroon 1st time, before returning into CANADA-shit to resign a CANDIAN-idiot-citizenship I acquired because I needed to travel via Europe without visa request at GERMAN embassy. I could succeed to send him an email at an email–address received from PELESKA-cuon, that I don't remember; BUT I never got a return reply message at all."

"WITH idiot–joseph–djoumessi that invited myself in his christian-rosicrucian-peg congregation CMCI–obili (https://); I heard from someone that was in academia at the UNIVERSITY OF YAOUNDE 1 that KOLYANG was not anymore in academia for working on research, But KOLYANG was doing agriculture !!! "

THE UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA

1. THE university of waterloo, from a black African descendant perspective, as a student and employee, & High Qualified Person from GERMANY. |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Oct. 2009 – "November 8, 2024"]

[***Incompetent "doctoral Ph.D. program coordinator as a Master of Science (M.Sc.)" Sarah landy,***
Color of origin payments,
non observance of international academic conventions and laws criminal,
racial segregative police of canada–waterloo–ontario,
DEREK rayside idiot,
INCOMPETENT ACADEMIC PEOPLE IN ECE (ELECTRICAL & COMPUTER ENGINEERING),
racial systemic segregation]

I. ***Asian-Vietnamese advisor Dr. of Engineering PATRICK lam (https://patricklam.ca) from "Massachusetts Institute of Technology (M.I.T (https://csail.mit.edu), MA, USA)" :***

Here are certain things done for myself both, academically and professionally, by PATRICK lam:

1. I spent 6 years under supervision of PATRICK-idiot-lam, (https://google.com/scholar) without having at least 1 scientific paper published under his supervision anywhere in my visible and observable internet WORLD !

[***!!! I got this ([FSE–soqua 2006]) with only 2 years at THE university–racist-of-bremen.de !!!***]

2. [JON EYOLFSON], an idiot that worked for PATRICK-lam as a MASTER student (M.ASC.) and then as a PH.D. candidate, **COULD COPY MY WORK** more intelligently & silently, and even 'EHHH' got a high paid position as an ***"ASSISTANT PROFESSOR (teaching stream)"***; after 4 years at UCLA (https://ucla.edu/asian-postdoc-supervisor) as Postdoctoral fellow; AT THE ece–department OF THE UNIVERSITY OF TORONTO (https://utoronto.ca/alexie), ontario, canada.

3. Patrick recommended myself to IBM Toronto Software Lab manager "Dr. MARCEL mitran" after I told him I was looking for an internship just after my PHD COMPREHENSIVE EXAMINATION[1a]; Before returning to University of Waterloo, ON.

4. ***Professor PATRICK lam gave myself a lot of presentation skills attitudes that I can today not all of them remember.***

5. Patrick sent me to several research academical venues through my doctoral Ph.D. studies at the University of Waterloo, ON:
   - ***"First Summer School on Formal Techniques"*** (https://fm.csl.sri.com/SSFT11/index.shtml) (2011);
   - ***MITACS Ontario (***2012***)***;
   - ***PLDI – Programming Language Design and Implementation (***2009***)***;
   - ***IBM CASCON – IBM Centre for Advanced Studies Conference (***2010***)***;
   - ***ICSE – International Conference On Software Engineering (***2012***)***.

6. Patrick gave myself 1st hand detailed explanations on static dataflow analysis à la "Gary A. kildall : A unified approach to global program optimization (https://doi.acm.org/10.1145/512927.512945)" with help of his slides from McGill University (https://www.mcgill.ca).

7. ***Professor PATRICK lam is the only one that taught me that I really need to keep my LaTex document code straight and maxed 80 lines.***

8. ***Professor PATRICK lam is the only one that taught me that I really need to keep reading papers as long s I don't really master them, before coming back to talk to him !***

9. ***Professor PATRICK lam is the only one that taught me that I really need to dig very deep into researching and probing an idea before there is an excellent outcome out of it: THIS IS WHAT I APPLIED TO get my 1st implementation of my doctoral dissertation work YERITH–SAINT !***

10. Patrick gave me hints about contributing to open source projects by modifying their code source and reuse it for my research; I for instance applied this when creating Computer–Aided Software Engineering (CASE) tool *YERITH_QVGE* .

THE UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA

1. THE university of waterloo, from a black African descendant perspective, as a student and employee, & High Qualified Person from GERMANY. |
   UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Oct. 2009 – "November 8, 2024"]

[*Incompetent "doctoral Ph.D. program coordinator as a Master of Science (M.Sc.)" Sarah landy*,
Color of origin payments,
non observance of international academic conventions and laws criminal,
racial segregative police of canada–waterloo–ontario,
DEREK rayside idiot,
INCOMPETENT ACADEMIC PEOPLE IN ECE (ELECTRICAL & COMPUTER ENGINEERING),
racial systemic segregation]

I. *Asian-Vietnamese advisor Dr. of Engineering PATRICK lam (https://patricklam.ca) from "Massachusetts Institute of Technology (M.I.T (https://csail.mit.edu), MA, USA)" :*

Here are certain things done for myself both, academically and professionally, by PATRICK lam:

11. ***"PATRICK lam has never done a "program analysis by himself" as far as I have been working with either as his research assistant or as a scholar that could see this somewhere in a world. "***

"They (PATRICK and FELIX) even attempted to remove my name from git repository (https://) history when "Divam Jain" left and PATRICK said to FELIX-fang to continue that research WITH me also as a supervisor under PATRICK-lam."

"AS far as I am knowledgeable, scientific conference and / or whatsoever papers that stem "from research work of Divam Jain", that I see as plagiarism since my name as a co–author has never been written, are existent because I am the only originator of this work; as a supervisor of DIVAM jain, at the beginning of his "Master of Mathematics (M.Math.)"; and this at request of dear PATRICK lam":

"Deceased idiot former dean of engineering "PEARL sullivan", [that I went to confront with facts about these plagiarisms], Sent by a black–idiot police officer from UWATERLOO racial–police services; Sent a british giant muscular idiot white–police–officer to arrest me illegally and very violently just at the ground level of the 'Davis Centre BUILDING of racists.' "

"BECAUSE i removed my clothes in front of surveillance digital cameras in a uw–office racial-police, Where the british–racist-police-from-scotland did tell me to sign papers that I DIDN'T EVEN had opportunity to read at all; THEY sent me in jail–custody to KITCHENER-waterloo criminal justice court. "

""Justice Crown attorney prosecutor DOMINIQUE KENNEDY" let all investigations done and concluded that I HAD NEVER ASSAULTED this idiot police white-british office that charged myself with 'ASSAULT TO POLICE OFFICER' ! "

""Justice Crown attorney prosecutor DOMINIQUE KENNEDY" told me she called "the office of THE president of the university of waterloo" to ask them to let myself defend my "Ph.D. degree dissertation"; BUT they told her with attorneys of law of the president of the university of waterloo: "What is a crown attorney doing in the office of president ?""

""Justice Crown attorney prosecutor DOMINIQUE KENNEDY" then on another did tell me that someone from the office of the president-idiot–racist of the university of waterloo; said that they have certain attitudes that are based on their local culture!

Incompetent "doctoral Ph.D. program coordinator as a Master of Science (M.Sc.)" Sarah landy
went on to harass the university of waterloo police ; ESPECIALLY (ambinns@uwpolice.ca); to say Like a HE-girl–pom–pom-shit that: "THIS black gay guy is so huge that he must be destroyed mentally !!!

this kind of race–sarah–landy MUST never be admitted anywhere else in this black world other than her anus....zizi.

[THIS happened in year 2018 as I WENT TO DESTROY my so-called—white-oblivier canadian–CACA-shit—citizenship–pegg–kkk.]

"I AM THE one who told to MRS. cuon-idiot–racist–white–quebec–tabawec–"Justice Crown attorney prosecutor DOMINIQUE KENNEDY", that THIS IS CALLED discrimination !"

a. "Identifying Test Refactoring Candidates with Assertion Fingerprints" (https://dl.acm.org/doi/abs/10.1145/2807426.2807437)

RESEARCH AND TEACHING (FORMAL TRAINING __ TEACHING ASSISTANT — UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

I. ***Formal Training for occupying teaching positions*** |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

[*TEACHING ASSISTANT training;*
CUT–1 - Certificate in University Teaching 1]

1. ***Training in ECE Department (Electrical & Computer Engineering Department):***
Before starting my 1st formal appointment as a teaching assistant at the University of Waterloo, ON, CANADA; In year 2009, I received a group training for graduate students of the ECE (Electrical & Computer Engineering Department).

2. ***~~Passed~~ QUALIFICATION interview to teach OBJECT-ORIENTED PROGRAMMING WITH JAVA:***
I SUCCESSFULLY passed a presentation slides lecture for qualification interviews OF 30 minutes added with "Q&A - Questions & Answers" session; to teach Object–Oriented Java Programming to 1st year students at THE university of Waterloo in year 2012.

NEVERTHELESS, I was not chosen as THE committee said: I QUOTE THEM: "Xavier might no be able to manage this very young age students in a class of 100 or more." I WAS AGED MYSELF 29 years old in year 2012 when this happened ! THX TO PATRICK–IDIOT–LAM

PATRICK–IDIOT–LAM is only 4 years older than myself. (https://www.patricklam.ca)

IT seems PATRICK and lin–tan–AGED-exactly as myself were trying to avoid a so—called-negger at a high paid position at UNIVERSITY-OF-WATERLOO. "Lin tan" is born 1983 like Xavier ~~noumbissi~~ NOUNDOU ! (https://cs.purdue.edu/lintan)

THE class was given at the end to a seasoned professor named SEBATIAN FISCHMEISTER (https://ece.uwaterloo.ca/~sfischme), that leads the Embedded Research Group in ECE (https://ece.uwaterloo.ca/~sfischme).

3. This was optional. ***CUT–1; Certificate in University Teaching – 1:***
"THE university of waterloo in ontario, Canada"; offers a formal training program in 4 certificates to qualify graduate students and / or whatsoever qualified persons for teaching at a UNIVERSITY.

I attended the level 1 certificate in 2010, but didn't pursue the last 3 levels because I felt I couldn't perform as fast as I wanted my doctoral research due to the high level of academic requirements due by researching in the ***"static code program analysis"*** area of research; At WatForm (WATERLOO FORMAL METHODS group research) (https://watform.uwaterloo.ca); led by "Prof. Dr. JOE atlee of the CS (Computer Science) Department" (https://www.cs.uwaterloo.ca/~jmatlee).

AFTER my free registration, at my own request and without asking PATRICK–idiot–lam; and attendance of all 1st level courses at "DAVEN–PORT library on main (200 UNIVERSITY AVENUE WEST) campus" of the UNIVERSITY OF WATERLOO, I notice IT would be impossible to myself to finish my research in due time without issues with my doctoral advisor !!!

WE were around 10 in a sumptuous and luxurious carpeted room at kind of 3rd level in the main building !

ESPECIALLY added to the fact I WAS EARNING SUCH A LOW 999–CAD, so I HAD to TA-teaching assisting PATRICK lam.

THAT'S why I resigned.

[***I EVEN feared PATRICK lam was trying to make myself sick because of the amount of stipend I HAD, compared to other students like JON eyolfson who also add other stipend from NSREC–CANADA !!!***]

"I was under supervision of my doctoral Ph.D advisor Dr.–Ph.D. of Engineering PATRICK lam".

RESEARCH AND TEACHING (TRAINING __ TEACHING ASSISTANT — UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

I. ***Competencies Acquired and Learned as a TEACHER–PROFESSOR*** |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

[***TEACHING ASSISTANT training***]

- ***SUMMARY of given–co–taught courses:*** '2' ***undergraduate ("Bachelor") level courses.***

- SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE (ECE 453 / SE 465)
  1. Creating a "JUnit 4–tutorial" (https://https://www.zenodo.org/record/8052444) and got it reviewed by PATRICK LAM; THIS is not a task PATRICK as instructor asked me to perform; I did this in my free time and put it as sample training material for students. – ***"(⋆) Professor task level"***
  2. GOING in class to teach JUnit for exercise session – ***"(⋆) Professor task level"***
  3. Creating SAMPLE solutions to assignments – ***"(⋆) Professor task level"***
  4. MARKING ASSIGNMENT à la patrick lam – ***"(⋆) Professor task level"***

  I felt very improved for my teaching software technical testing skills.

- PROGRAMMING FOR PERFORMANCE (ECE 459)
  1. ***TAKING some time in my time of research for my ["PH.D. in electrical & Computer ENGINEERING"] to receive students visit at my office; and teach them what they couldn't understand either in class, and / or for the course material !*** – ***"(⋆) Professor task level"***

     " Since my PH.D.–advisor patrick was the Director of Software Engineering study programs, I Think he thought I could replace him as a lecturer and he wanted to test these skills."
  2. "Really I didn't much like this course as taught by PATRICK because it was more a kind of programming course that wasn't very solid in mathematical and engineering foundations; Except for theories and histories on processor speed "MOORE–law" expansion and development ! "

     "THIS was more to gain money because I was only earning $999 Cad as a "master of science, PH.D. candidate" under supervision PATRICK-lam; coming from a middle level-paid good money position."

RESEARCH AND TEACHING (TRAINING __ TEACHING ASSISTANT — UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

I. ***Competencies Acquired and Learned as a TEACHER–PROFESSOR*** |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Jan. 2012 – 10 MARCH 2015]

[***TEACHING ASSISTANT training***]

- ***SUMMARY of given–co–taught courses:*** '3' ***undergraduate ("Bachelor") level courses;*** '2' ***graduate ("Master", "PhD", "Ph.D.") level courses.***

- SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE (ECE 453 / SE 465)
  1. Because of my resignation act in front of all committee members of my doctoral Ph.D. comprehensive examination and DISSERTATION COMMITTEE members;
     I resigned !

- COMPILERS (ECE 351)
  1. I did during my time in BREMEN, a course called ("Übersetzer GENERIERUNG mit LEX und YACC") that could be translated in English–white: "Compiler / TRanslator GENEration with LEX & YACc".
  2. Creating `Python` scripts to query, compile and build; and check results of computer programs as assigned for students in ECE 351 class of racist DEREK-GAYSIDE.

- ⋆ GRADUATE (MENG, MSC, MASC, PHD) LEVEL COURSE – METHODS AND TOOLS FOR SOFTWARE ENGINEERING (ECE 650)
  1. I went to classes like students to assist idiot-Igor-IVKOVIC that required this visitation of classes for me. – ***"(⋆) Professor task level"***

     "deceased NOVEMBER 2021 igor idiot–ivkovic wasn't not even capable of understanding what he taught in front of students professional himself. THAT'S why he required my presence in classes so I will help him better ! "

     "IT Means IGOR-ivkovic shalln't have gain more "payment cheques" than myself because it seemed to me I would do more teaching than he did."

- COMPUTER NETWORKS (ECE 428)
  1. "Creating `Python` scripts to query, compile and build; and check results of computer client–server programs as assigned for students class of racist-idiot Mahesh-Rayside."

- ⋆ GRADUATE (MENG, MSC, MASC, PHD) LEVEL COURSE – FOUNDATIONS OF SOFTWARE ENGINEERING (ECE 651)
  1. "Learned on the grasp theories and practices of software quality metrics and tools so to teach them to students. IGOR ivkovic, the deceased idiot-instructor wasn't even capable himself of anything." – ***"(⋆) Professor task level"***

- [C++ LABORATORY (ECE 250)]
  1. ~~***Working with "iranian in north–america", as being a black-afro-descendant is not recommended at ALL !***~~

     "JON eyolfson is a burglar incompetent GUJA that is not even capable of respecting an agreement of 2-weeks replacement for his office mate."

RESEARCH AND TEACHING (TEACHING ASSISTANT — UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

I. ***Duties completed by Teaching Assistant [Doctor–Ph.D. of Engineering (Dr.–Ing.)] Xavier Noumbissi Noundou*** | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2012 – Apr. 2015]

1.) [SUMMARY of student research–teaching advisory work both "autonomously" and, from my PH.D–advisor PATRICK].

2.) ***Teaching assistant under supervision of INSTRUCTOR "MAHESH rayside–idiot":***

- COMPUTER NETWORKS (ECE 428) SPRING term (Jan.–Apr.) "2013"

  "THIS ignorant professor couldn't be even capable of clearly defining programming assignments, AS I had to tweak the `Python` code for automatically correct student code source from Gitlab–repositories created by a so called [PATRICK-lam]."

  [THIS ignorant didn't even know I was a perfect computer software developer since age 18 in Cameroon; as demonstrated by my professional record of employment in GERMANY that is at least trice more developed technologically than idot CANADA.]

3.) ***Teaching assistant under supervision of instructor "Derek rayside–idiot":***

- COMPILERS (ECE 351) FALL term (Sep.–Dec.) "2012"

  "THIS idiot from massachusett–gay institute of technology cannot even define what is mathematical relation WITHOUT saying: I quote him: 'a relation is like a table'... (https://csail.mit.edu/sdg)

  "I was kind of surprise that we MUST had to code source code to correct programmings assignments as ***"styles of programming for instance, comments, etc," MUST be also marked and more importantly advised, Especially from a performance confirmed seasoned software developer as myself:*** *DR.–PH.D. of ENGINEERING XAVIER ~~noumbissi~~ noundou.* ***(https://www.zenodo.org/record/8051293)*** "

  "***I was very surprised to see a [culprit called MATTHEW MA] that was Master of Applied Science of DEREK, COMING to myself with his mother and offer me "***$400 ***CAD so to code for his MASTER PROJECT in Computer Software Engineering from derek."*** "

  "***Thinking that derek went to pay around*** $30 000***—CAD to MATHGENEALOGY.ORG, (https://mathgenealogy.org) so my free registration from "[PATRICK] AND rinard-martin; (https://csail.mit.edu/~rinard)" from 'PH.D.' onto 'ABD' be changed without any formal justification as specified [[here];] DEREK–GAYSIDE is only someone that hijacked to get a degree from renowned MIT."*** "

4.) ***Teaching assistant under supervision of instructor "LADAN":***

- [C^{++} LABORATORY (ECE 250)] FALL term (Sep.–Dec.) "2014"

  "THIS in german so called 'HURE'–prostitute (https://Wikipedia.org) Declares be a professor of software system.

  I cannot testify this as "her student MOHAMMAD HAMDAQA" was so ignorant and had a tremendous background in business but knew nothing on software system at all ! "

  "I spent hours talking to ladan via her idiot student from JORDAM-kingdom that seems to have even acquired a faculty position at so called "ÉCOLE POLYTECHNIQUE DE MONTREAL-qc-chien-tabawak-satan" (https://www.polymtl.ca) "

5.) ***Teaching assistant under supervision of instructor "deceased–Igor Ivkovic–idiot":***

- ∗ GRADUATE (MENG, MSC, MASC, PHD) LEVEL COURSE – METHODS AND TOOLS FOR SOFTWARE ENGINEERING (ECE 650) FALL term (Sep.–Dec.) "2013"
- ∗ GRADUATE (MENG, MSC, MASC, PHD) LEVEL COURSE – FOUNDATIONS OF SOFTWARE ENGINEERING (ECE 651) SPRING term (Jan.–Apr.) "2013"

6.) ***Teaching assistant under supervision of instructors "Patrick LAM", and "LIN tan":***

- SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE (ECE 453 / SE 465) SPRING term (Jan.–Apr.) "2015"

II. ***Duties completed by Teaching Assistant [Diplom–Informatiker (Dipl.–Inf.)] Xavier Noumbissi Noundou*** | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

1.) ***Teaching assistant under supervision of instructor "Patrick LAM":***

- SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE (ECE 453 / SE 465) SPRING term (Jan.–Apr.) "2010"

  "I AM THE one that creates the only sample solution to midterms. PATRICK is not very good at kind of creating technical solutions based on graph-theoretical foundations as for instance when creating equivalence class based test sequences solutions."

- PROGRAMMING FOR PERFORMANCE (ECE 459) SPRING term (Jan.–Apr.) "2011"

  I co–create with other teaching assistants such as [JON–eyolfson] solutions for assignments and / or midterms exams.
  I also receive students during predefined weekly time frame so to help them out with understanding of learning courses material.

RESEARCH AND TEACHING (TEACHING ASSISTANT – CONTINUED [1] - THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. CO-teach and CO-assign, & Co-mark Assignments for Graduate and Undergraduate Computer (Software) Engineering Students (ECE Department) |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [OCT. 2009 – APR. 2015]

[*PROOF READING,*
static code dataflow analysis,
SCALA,
Java, C++, JUnit testing,
research ideas talks and development,
computer programming teaching]

I. ***Students from the University of Waterloo, Ontario, CANADA I helped during my stay at the University of Waterloo, ON:***

1. [***"Matthew Ming Ma, M.ASc., Mechatronics, Engineering":***]
   - How to configure a "developer" Java virtual machine under Ubuntu LINUX;
   - "I gave him contextual help in writing Java code for his Master of Applied Science project, under supervision of Derek Rayside".
   - HE then got a so called, at ***"APPLE INC. LTD."*** (https://www.semanticscholar.org/paper/Temporal-Property-Verification-in-Plugin-based-Noundou/c68c2374b1dca17edab774ee8a1d09b015f29b33) , software in test developer (https://www.apple.com/jobs) job;

     That is why even a ***"WIFI–connection"*** to a laptop doesn't work with APPLE phones as I COULD experience myself in CAMEROON (a white phone paid for $120 CAD).

2. [***"DR. JON eyolfson, Ph.D. in Electrical & Computer Engineering"***:] (https://www.jeyolson.com)
   - How to use efficiently and effectively double pointers in C++ function / method calling argument parameters;
   - "I gave him my full LaTex doctoral Ph.D. thesis (ECE calls this a research proposal) document for helping him out with a template at his own request".

3. ***"DR. Vajih MONTAGHAMI, Ph.D., Electrical & Computer Engineering"***:
   - Thorough discussions and talks about his research ideas and on computer programming related topics.

4. ***"zheng FELIX fang, M.ASc., Electrical & Computer Engineering"***, from Ph.D.-advisor of mine Dr. of Engineering "Patrick LAM":
   - Overview on ["Divam Jain's"] previous work on SOOT and static dataflow analysis for generating JUNIT test cases.
   - Brief discussions and talks on using static dataflow analysis for generating JUNIT test cases.;
   - "Declared MASTER OF APPLIED SCIENCE title" at the UNIVERSITY OF WATERLOO:
     " " (https://www.uwspace.uwaterloo.ca/handle/).

5. ***"Divam Jain, M.Math., Computer Science"***, from Ph.D.-advisor of mine Dr. of Engineering "Patrick LAM":
   - Gave "DIVAM" sample code of my sample projects in Java about static dataflow analysis à la "Gary A. kildall : A unified approach to global program optimization (https://doi.acm.org/10.1145/512927.512945)"; As opposed for instance to static dataflow analysis "à la IFDS (INTERPROCEDURAL ...)" from "THOMAS–reps at the university of wisconsin-madison" (https://).
     IBM provides WALA as library for working with IFDS framework. (https://)
   - Introduction and supervision on how to use SOOT (https://www.soot-oss.github.io/soot) ;
   - Brief discussions and talks on using static dataflow analysis for JUNIT test case generation;
   - Declared "Master of Mathemathics" title at the UNIVERSITY OF WATERLOO:
     " " (https://www.uwspace.uwaterloo.ca/handle/).
   - FOLLOWING plagiate by [zheng FELIX fang] and [PATRICK lam] originate from this seminal initial work where I contributed partly in code source writing:
     A) "Identifying Test Refactoring Candidates with Assertion Fingerprints" (https://dl.acm.org/doi/abs/10.1145/2807426.2807437)

RESEARCH AND TEACHING (PROFESSOR (EXPERT) -[HELPING OUT]- THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. HELPing black–descendant students from the UNIVERSITY of waterloo–racist–on |
   UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Oct. 2009 – apr. 2015]

I. ***Students from the University of Waterloo, Ontario, CANADA I helped during my stay at the University of Waterloo, ON:***

1. ***"Amirhossein Vakili, Ph.D., Computer Science":*** (https://www.cs.uwaterloo.ca/~avakili)
   - How to use MAKE;
   - static dataflow analysis explanation.
   - "1st at all functional programming with SCALA introduction".

2. ***STUDENTS in cameroon association rowac. (https://rowac.ca)*** ***"JUST IN MY SPARE TIME, not at a position in university"***
   - I presented and gave out certain documents I wrote about computer web software security vulnerabilities protection; AND measures to protect documents and computer–laptop during, after 1 general meeting evening around 06 : 00 PM.
   - AFTER graduating, and came back into canada to resign an idiot-canadian citizenship acquired for travel-without-visa-purpose-only to EUROPE; I then discovered that several members of ROWAC were secret–servicess-agent of my assassin of paternal uncle LAURENT-tchandeu, PleniPOTENTIARY–minister:
     - Dr.-vincent-nazi-nanga
     - Dr.–pd-innocent tchigio
     - CHEONGWA wandzi-~~cheongwa@yahoo.com~~

3. ***"Godrick–chékété, Ph.D., French literature":*** ***"JUST IN MY SPARE TIME, not at a position in university"***
   - I MET "Godrick–chékété" via "YAW boakye-agyeman, ph.d. student in recreational studies at the UNIVERSITY OF WATERLOO, ON CANADA";
   - Help in FINDING HIS way after his divorce from his spouse from BENIN (house searching, car fixing, etc.);
   - HELP in looking for a financial loan at a Canadian bank.

4. ***"Eric Brefo–Mensah, Ph.D., Chemistry":*** ***"JUST IN MY SPARE TIME, not at a position in university"***
   - I MET Eric brefo-mensah via "CHIWANZA-kasanga";
   - Help in proof reading his Master Thesis LaTex document before his final submission in "year 2018".

5. ***Shirley Ddamba, "M.ASc, Civil Engineering":*** ***"JUST IN MY SPARE TIME, not at a position in university"***
   - I MET SHIRLEY at a bible study at the UNIVERSITY OF WATERLOO, ON CANADA;
   - Help in learning hands–on car driving in Ontario.

6. ***Esther Lambert, "Ph.D., Geography, University of Toronto,*** 2017***":*** ***"JUST IN MY SPARE TIME, not at a position in university"***
   - I MET ESTHER while she was cashier at ZEHRS–churchill–street.
   - Help in proof reading her Master thesis for the department of geography;
   - Help in learning hands–on car driving in Ontario;
   - ESTHER then pursue 1 year internship at ONTARIO green–belt institute; SHE then was admitted at the University of Toronto for "doctoral Ph.D. in GEOGRAPHY".

RESEARCH AND TEACHING ('PROFESSIONAL' TEACHING ASSISTANT – CONTINUED [2] - THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. CO-teach and CO-assign, & Co-mark Assignments for Graduate and Undergraduate Computer (Software) Engineering Students (ECE Department) | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [OCT. 2009 – Apr. 2015]

I. ***Professional Computer Engineers living in Germany** I helped during my whole time at "UNIVERSITY OF WATERLOO, ONTARIO, canada":*

1. ***"A paternal uncle Demo Noundou from Cameroon"*** (https://www.ank-technologies.com).

*r-**"DD-David–DEMO noundou"*** who at 1[st] was an illegal migrant worker idiot in GB–great britain, a junior brother of my late father and genitor "Théodore Nounbissi, B.Sc., Electrical & Computer Engineering"; was a student in Information Technology student at "TUHH — Technische Universität Hamburg–Harbug" (https://www.tuhh.de), and graduated from there with a "Bachelor of Sciences (B.Sc.)".

"Demo" then obtained a position as "PHP – Java Web Software Developer" at "Canon LTD.", based in Germany - Osnabrück !

AT least trice (3 times) a month, I will receive a phone call from Germany requesting software programming and / or database technical help from this GUJA.

Each time I could solve his issues until HE stopped calling around August 2014, when I became a CANADIAN citizen, and when himself *r-**"DD-David–DEMO noundou"*** went for a marital union with *r-**"Astride Patibé"*** ; a nurse from Cameroon – Baham – BAFANG tribe.

*r-**"CÉLESTIN puene"*** is another (Food–processing) engineer from Cameroon that came to myself sent by "his natal village Babouantou" friend paternal uncle *r-**"DD-David–DEMO noundou"*** .

HE came saying he needed help in buying a mechanical truck from the USA for his brother in cameroon who possessed a road construction society in YDE. *r-**"CÉLESTIN puene"*** was first living in Frankfurt–GERMANY, before moving around 3 years after myself, into Canada [WASKAGANISH, qc; and "then Brampton, ON"].

" *r-**"CÉLESTIN puene"*** and *r-**"DD-David–DEMO noundou"*** are now member of [⋆ ⋆–*"ROTARY CLUB INTERNATIONAL"*–⋆ ⋆]; *r-**"DD-David–DEMO noundou"*** was initiated by *r-**"MBOUM, MD, Ph.D. (surgeon)"*** from OSNABRÜCK–germany. I could say I do not want to be member when *r-**"DD-David–DEMO noundou"*** asked for this in year 2014".

RESEARCH AND TEACHING ('ADVISING' – CONTINUED [3] - YERITH R&D)

I. TRAIN young engineers & developers; CO-write software parts for YERITH–ERP–9.0–PLATINUM |

YERITH R&D, YAOUNDÉ, CMR [2016 – 2017]

A. "***ENGINEER–ENSPY job seeker–gay PAUL:***"

THIS young scientist from ECOLE–NORMALE–SUPERIEURE-de-Yaounde came to myself via THE culprit named JOSEPH–djoumessi during my attending of a biblical study at his home in BYEMASSI–yaounde–ACCACIA; IN year 2016.

"I started teaching C programming to this young gay electrical engineer from CMCI–communauté missionnaire internationale chrétienne OBILI–obédience (CMCI–obili); While he was looking for employment for almost 6 ***years after graduating as BSc.–eletrical engineer from "École Nationale Supérieure Polytechnique de Yaoundé - ENSPY"."***

HE stopped attending just 2 weeks after starting participating in group meeting with the 2 following scientist–educators.

HE said his financing person wanted him to focus only in applying for positions in industry such as "BRASSERIES DU CAMEROUN", etc.

B. "***Scientist–educator–cuon KITIO:***"

THIS young scientist from ECOLE–NORMALE–SUPERIEURE-de-Yaounde came to myself via THE culprit named JOSEPH–djoumessi during my attending of a biblical study at his home in BYEMASSI–yaounde–ACCACIA; IN year 2016.

"I taught him how to use DEBIAN LINUX ***from the command line."***

He could find a position as computer science teacher in a secondary school in west cameroon !

C. "***Scientist–educator–cuon CHARLES–eteme; now working at Yaounde GENERAL hospital:***"

THIS young scientist from ECOLE–NORMALE–SUPERIEURE-de-Yaounde came to myself via THE culprit named JOSEPH–djoumessi during my attending of a biblical study at his home in BYEMASSI–yaounde–ACCACIA; IN year 2016.

"I taught him how to use DEBIAN LINUX ***from the command line."***

HIS father could find him soon a position at "Yaounde GENERAL hospital" where he was earning "250 000 ***Xaf" to start his career as a staff web developer.***

TODAY, as I have been living in Cameroon for more than 6 ***years now full time; I believed he was a "SED"–anti gang; IT means someone hijacking people from west–region so to make them wretched as a political argument for PAUL–biya–idiot–CPDM–president.***

RESEARCH AND TEACHING ('ADVISING' – CONTINUED [4] - YERITH R&D)

I. TRAIN young engineers & developers; CO-write software parts for YERITH–ERP–9.0–PLATINUM |

YERITH R&D, YAOUNDÉ, CMR [Jan. 2021 – "November 8, 2024"]

A. "***Engineer JEAN–PIERRE kamgain–idiot:***"

This not professional computer science & computer engineering graduate, from "THE university of Yaounde 1", and from "IAI Cameroon"; was interested in various web-related tasks for searching employment within Douala.

1.) ***plain code source "C" application programming interface development;***

A sample task was a development of a translator from "Qt 5 user interfaces (".ui" files)" onto "HTML5 pages";

2.) ***Java servlet & apache tomcat server;***

A sample project using APACHE–maven (https://), for car maintenance & rental was developed both by myself and by JP-kamgain-culprit.

THIS sample exegete of "IAI Cameroon" wasn't capable of clearly write Java code as supposed with a "***bachelor of honours in Computer Software Engineering***" from both "IAI Cameroon"; And "University of Yaounde 1 (UY 1)".

3.) ***PHP software development.***

4.) ***Training P.C.T.B–sarl employee on YERITH–ERP–9.0–platinum:***

The culprit and school–mate NGADJEU-francis, refused to utilize JP because he went without asking advise from me recruit a so called call–girl–IUC-cameroon (https://myiuc.com).

5.) ***Indicator for destruction of YVES-landry-galax-etoga in person:***

"JEAN–pierre kamgain has been trying to hijack my properties, both physically and emotionally because I COULD notify that HE was trying to spy my activities for "C.P.D.M party as NGADJEU–francis from P.C.T.B.–sarl did"";

"Also JP-kamgain is the one that went to propose my ERP software system to BONTÉE sarl in AKWA-sud douala."

6.) ***[COPLATEC sarl is a psy–company for hijacking people at home:]***

OUR experience in Africa has been that at least "85% of societies" that are of type "SARL–ndlr–société à responsabilité limitée", 'GmbH (https://WIKIPEDIAlinkDefinition.ORG)-in-German-language';

"are companies for gay owned by soldiers FOR hijacking male and/or female consultants like myself that do not participate officially in lesbianism and homosexuality–zoophyte."

ARLETTE-sibeufo seemed to be also member of SED.

RESEARCH AND TEACHING (POSTDOCTORAL RESEARCHER AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. Create and Present, & Write Research Projects in Computer (Software) Engineering Students (ECE Department) | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2012 – Apr. 2015]

[*VIJAY–ganesh–chenapan, static dataflow taint analysis, dynamic binary program analysis, "INTEL-Pin", LLVM*]

A. ***Duties completed by Researcher [Doctor–Ph.D. of Engineering (Dr.–Ing.)] Xavier Noumbissi Noundou***:

1. ***SUCCESSFUL attendance of graduate level courses to improve my dissertation writing and research skills level of knowledge :*** [Sep. 2012 – OCT. 2015]
   - a.) [***"Program Analysis for Web Apps"***] "Grade 88%";
   - b.) [***"Static Analysis for Software Engineering (SASE)"***] "Grade 88%".

2. ***SOLE and INDEPENDENT idea and research of development*** of static dataflow taint analysis with use of "compiler framework ***LLVM***", for solving following complex software engineering problems: [Sep. 2012 – OCT. 2015]
   - a.) ***"Application Programming Interface (API) usage temporal rules"***;
     "QUANTAMP.COM (https://www.quantstamp.com) uses for instance part of this research outcome to solve the problem of checking the conformance of BITCOIN–related–software-automated–contracts.“
   - b.) ***"Detecting software security vulnerabilities"*** that endanger normal workflow, PER user–requirement elicitation, OR per software usability engineering: "***BUFFER–OVERFLOW problems***"; "***SQL–injection problems***"; "***FORMAT–STRING attacks problems***"; "***AUTOMATIC test case and test data generation solution classes***";
   - c.) ***"VERY PRECISE AND DETAILED collaboration with Pr. Prof. Dr.–Ing. VIJAY-ganesh"***;

   THIS research is more detailed in: YERITH–SAINT (*https://www.zenodo.org/record/8051293*) [11].

ASSISTING PROFESSOR AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA

1. Create and Present, & Write Research Projects in Computer (Software) Engineering (ECE Department) | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2012 – 2014]

[*RESEARCH outcome plagiarism,*
RESEARCH outcome hindrance,
"JAN–peleska-crédule; best–ever–professor of mine",
"student advising–MISSING paper",
static dataflow taint analysis,
LLVM (https://llvm.org/racist--apple)]

A. ***Duties completed by Assisting Professor [Doctor–Ph.D. of Engineering (Dr.–Ing.)] Xavier Noumbissi Noundou***:

[Summary-PAGES]

1. **EXPERIMENTATION WITH IFDS–FRAMEWORK FROM "REPS ET AL."** [JAN. 2013 – JUNE 2013]

I discovered the "IFDS–Interprocedural Flow Dependency System–GRAPH" (https://) algorithm by THOMAS reps from UNIVERSITY-of-WISCONSIN-MADISON (https://), and from "Grammatech" (https://www.grammatech.com);

"I really enjoyed this graph–based software system interdependence algorithm; and accompanying free FOSS IBM–wala library (https://) ".

NEVERTHELESS I tried a personal implementation of the IFDS–framework using SOOT (https://www.soot-oss.github.io/soot) & SCALA with no successful binaries; BECAUSE the ideology for using "IBM–wala" was quite strange to my understanding !!!

*I then renounced & abandoned to pursue and implement "The KILDALL–style" ("Gary A. kildall : **A unified approach to global program optimization** (**https://doi.acm.org/10.1145/512927.512945**)") using C^{++} and a book–Advanced Compiler Design–from ...IBM author... !*:

YERITH–SAINT (*https://www.zenodo.org/record/8051293*) [1?]

2. **[SUMMARY of student research–teaching advisory work both "autonomously" and, from my PH.D–advisor PATRICK].** [Sep. 2009 – Mar. 2015]

3. [Previous RESEARCH–development at AGBS—UNIVERSITY–OF–BREMEN.DE] :

"JAN peleska is my 1st best ever professor because I learned the best research skills from him while working in his research group in Germany–bremen–racist (E.g.: Unfortunately for myself; I couldn't get any professional–vocational student software developer position in a commercial company installed in Bremen.). (https://informatik.uni-bremen.de/agbs/jp) "

[*FSE–soqua* 2006]

*"More importantly we had a paper at Foundations OF Software Engineering research conference in 2006 while I was working on my "**Diplom–Informatiker degree [Dipl.–Inf.] (Master of Science equivalent)**" in his research group at the **University–of–bremen.de** (**https://www.cs.uni-bremen.de**): "Test Automation for Hybrid Systems" (**www.informatik.uni-bremen.de/agbs/jp/papers/peleska_et_al_soqua2006.pdf**) — ("VERIFIED.DE" (**https://www.verified.de/products/model-based-testing**)) !!! "*

4. **Follow–up on research started by [DIVAM-jain] with following other fellow researchers at ECE:**
   - DEREK-rayside
   - PATRICK-lam
   - REID-holmes
   - LIN-tan-idiot-gay-non-sense-girl
   - FELIX-fang
   - etc.

I started collaborating with DIVAM jain because PATRICK-lam sent DIVAM jain to me for learning about static dataflow code analysis using SOOT.

"***WHEN divam–jain–racist left, I pursue this same research with FELIX fang, and then with researchers afore–mentioned in office of the director of software engineering program PATRICK-lam; Where we attended to group collaborative meetings.***"

THEN he was more about the problem itself; IN this occasion, how to automatically generate "JUnit test suites test cases" based on static code dataflow analysis of unit test code of the analyzed projects.

"A benchmark of "at least 100 open source Java libraries" was used to test these projects JUnit test code.

From this research came out at least 11 conference peer–reviewed papers and some journal articles, AND i wasn't mentioned as a co–author either:

1.) "Identifying Test Refactoring Candidates with Assertion Fingerprints" (https://dl.acm.org/doi/abs/10.1145/2807426.2807437)

ASSISTING PROFESSOR AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA — CONTINUED — II

1. Create and Present, & Write Research Projects in Computer (Software) Engineering (ECE Department) | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2014 – 2018]

["*sodomite–peggist–JULIA–rubin–AT–UNIVERSITY–of–british–columbia–CANADIAN-rate–gay–Israelite–ANTI–JESUS–OF–Nazareth*", *dynamic binary program analysis*, *"INTEL-Pin"*]

A. ***Duties completed by Assisting Professor [Doctor–Ph.D. of Engineering (Dr.–Ing.)] Xavier Noumbissi Noundou***:

4. ***DEVELOPMENT of certain features of PHP-Java–judo–quebec web application for management of club members:*** [JUNE 2014 – NOV. 2014]

   THE research paid–provision was around "1000 $CAD" a month, which was very insignificant because of all the technologies working together such as: PHP, GWT (Google Web Toolkit), etc.

5. ***PATRICK–idiot lam research idea***, and personal sole development of a dynamic binary program analysis for moving "PROGRAM–POINT" during runtime execution based on certain loop–condition; USING "INTEL-pin": [SEP. 2014 – OCT. 2014]

   PATRICK–idiot lam didn't allow myself to complete the program under his sole supervision.

   I WASN'T really happy because he interrupted my main project on static taint dataflow analysis; HE didn't tell me anything about any outcome, and/or later done publication or whatsoever.

   THIS research is more detailed in: YERITH–SAINT (*https://www.zenodo.org/record/8051293*) [11].

6. ***!!–sodomite–peggist–woman–attention–patrick–JULIA–rubin–ece–british columbia–faineant-chien–tabaweak–canaoe*** said she will continue research with myself at UBC (https://wwww.ece.ubc.ca/mjulia) so I WILL GRADUATE as a "PH.D." ! [2018]

   " IT was dereak-gayside that said I SHOULD TRY TO apply somewhere else than university–racist–of–waterloo since they–idiot–of–lam could call the police to arrest myself ILLEGALLY on waterloo dirty–racket–pd–cuon–tabaweak–quebec-salaud main campus !!! "

   PLEASE FOLK that may think a white–racist Gives you a residence permit to allow yourself to fulfill your peace dreams; IT'S NOT THE CASE.

   " THE WHITE–GAY–DAY–nancy–racist is only trying to reduce the speed of perfectionism and development of your country of origin by harassing you there with corrupt–gay authorities so you will try to go outside. "

   " All these mansory–free–rotary–club–ETC.; CATHOLIC–gay–church is only a way to hijack your life in anti-christ–of–negger–jesus–of–nazareth like myself I HAVE BEEN experiencing for 7 years in ontarian–CANADA–shit–people–race. "

RESEARCH AND TEACHING (RESEARCH ASSISTANT – DIPLOM–INFORMATIKER – AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. CO-create and CO-present, & Co-write Research Projects in Computer (Software) Engineering Students (ECE Department) | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

[*Algorithms dis–pension,*
finite automaton theories,
"[Year 2010 report]",
"[Year 2011 report]",
"1st summer school on formal techniques",
[IDIOT-black-afro-descendant Sandy BEIDU from ghanaian land]]

I. ***Duties completed by Research Assistant [Diplom–Informatiker (Dipl.–Inf.; MSc)] Xavier Noumbissi Noundou***:

1. [SUMMARY of student research–teaching advisory work both "autonomously" and, from my advisor–PH.,D. PATRICK].

2. ***SUCCESSFUL attendance of graduate level courses to improve my dissertation writing and research skills level of knowledge :*** [SEP. 2009 – DEC 2011]
   a.) [***"First SUMMER SCHOOL on FORMAL techniques"***] "~~participated with certificate~~";
   b.) [***"Computer–Aided Verification–racist–nancy"***] "Grade 90%";
   c.) [***"Advanced Compiler Design–cuon–plagiarism-of-jon"***] "Grade 86%".

3. I went to menlo–racist–college (`https://fm.csl.sri.com/SSFT11/index.shtml`) in California, USA, to the 1st summer school on formal techniques from "May 22, **2011**" until "May 27, **2011**"; under a recommendation-required (from professor doctor NANCY-idiot-day (`https://www.cs.uwaterloo.ca/~nday`)).

   I was accompanied by the GHANAIAN called SANDY–cuon–beidu supposed to be a very famous computer scientist originating from my home continent AFRICA.

   [THIS hideous ignorant fellow, from a very poor material background arrived at the university of waterloo "WatForm–waterloo formal methods" in year 2010 if I have good memories; Saying to the world he is a JESUS-christian;]

   This kind of black-afro-descendant is so disgusting that I believed that the racist JO–atlee-his-research-advisor (`https://www.cs.uwaterloo.ca/~jmatlee`) went to pick him so to dishonest myself in front of the extremely dominant ["iranian female population in ECE graduate student folks"] !

   HE even thought that I RENTED my "`ford fusion`" to tell them (Sandy–idiot–day, and a lady from long–island–black–prostitute) that I AM A WELL–TO–DO–MAN in front of them.

   [I JUST remembered my BUSINESS-trip while I WAS TRAVELING for SIEMENS-medical-solutions-erlangen IN concord-ca-usa; And I KNEW I NEEDED to be mobile; THAT's why I RENTED A luxurious "ford fusion" from my savings account from my HARD-job at SIEMENS.]

   [SANDY-idiot-poor-man-in-all-system thought when the other ghanaian idiot-story-teller-Dr.-PhD–ERIC-brefo-mensah brought me to his travesty–basement–slot in WATERLOO, in ontario, 2018; THAT i needed some drink from him !]

   [PLEASE folk from basement places in GHANA; Cameroon don't need this kind of down-treatment as CAMEROON is way more advanced as demonstrated ONLY by me !!!!!!!]

4. I have worked on topic "temporal property verification in plugin–based software"; and created a computer–Libreoffice–Impress presentation slides for the IBM workshop CASCON 2010–CDP-compiler-... (`https://www.sable.mcgill.ca/~clump/cdp2010/index.html`); [IBM WORKSHOP–CDP CASCON 2010]

   THIS research as ***"Master Of Science"*** (so called "DIPLOM–INFORMATIKER DEGREE, ABBREVIATED (DIPL.–INF.) (MASTER OF SCIENCE EQUIVALENT)[1]") led to my ***"Doctoral Thesis / PhD comprehensive examination" released research technical document*** : ***"Temporal Property Verification in Plugin-based Software"*** (`https://www.semanticscholar.org/paper/Temporal-Property-Verification-in-Plugin-based-Noundou/c68c2374b1dca17edab774ee8a1d09b015f29b33`)

5. I have created sample program static code analyzes using the SOOT framework (`https://www.soot-oss.github.io/soot`) wo to acquire skills in static code program analysis.

   A very short introduction: " " (`https://`) to SOOT framework by ....

6. I HAVE IMPROVED my algorithm design skills by implementing popular algorithms using the Following ALGORITHM POPULAR BOOKS:

   A. ***Computer Systems: A PROGRAMMER'S PERSPECTIVE, 2nd edition ("ISBN*** $13 : 978-0-13-610804-7$***"); by "BYANT"–racist & "O'HALLARON"–racist-sexist***;

   B. ***Introduction to Algorithms—Isbn: " "; by THOMAS cormen*** (`https://www.amazon.com/Introduction-Algorithms-fourth-Thomas-Cormen/dp/026204630X/ref=sr_1_1?crid=2UBHH37C2Y2J3&dib=eyJ2IjoiMSJ9.RxrAGDmePG_uPSHKskT1qe4eJp18_sU0zfGdVFedlBzcVOqunH6HMFDuvjfBk5T7_hbHBgRqWHVSmsYFd0OP9qIyOhMWcDwVMeRQodxABi7cszQQi1XxeWBu8jZqpGALecudSCyPct_N4de9gwldrRqhL2Alh8huCTZ2PeIofPH8JLCoUOjaTq8vuQ-G7z1Jdit5yRk2hl627B7GRAFVG3fiolk8kSGbcuK5_JsFw6g.AobHaMGD2q1MBzQIcdziArWAzLVbUQztj2REK1DRJ0Y&dib_tag=se&keywords=CS+Algorithm+book&qid=1726183252&s=books&sprefix=cs+algorithm+book%2Cstripbooks-intl-ship%2C313&sr=1-1`).

RESEARCH AND TEACHING (RESEARCH ASSISTANCE FROM FOLK–IDIOT – DIPLOM–INFORMATIKER – AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. CO-create and CO-present, & Co-write Research Projects in Computer (Software) Engineering Students (ECE Department) | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

["**JOHN HOPCROFT**", "**samaneh navabpour–racist–extreme**", *"1st Summer School on Formal Techniques", LLVM, SOOT*]

I. ***People from [the University of Waterloo, Ontario, CANADA] whom I got academic help:***

1. "AAKARSH nair, M.ASc., Computer ENGINEERING, 2009"
   - "AAKARSH nair was the 1st student of DEAR-idiot PATRICK lam I have ever met.

     HE is the 1st one to give me sample code on static dataflow analysis with "Java–SOOT framework (https://www.soot-oss.github.io/soot) " à la "Gary A. kildall : A unified approach to global program optimization (https://doi.acm.org/10.1145/512927.512945)" "

2. "NANCY day"
   - "Professor DAY wrote a very good and tremendous recommendation that was used to admit myself to ***"First Summer School on Formal Techniques"*** (https://), by THE NATIONAL SCIENCE FOUNDATION, SRI International, Menlo College, Atherton, California, USA; in year 2011".

3. "Samaneh Navabpour, Ph.D., Electrical & Computer Engineering"
   - SAM gave me 1st explanations about LLVM by using her previous work for a paper–RITHM (https://) she worked on in SEBASTIAN fischmeister embedded computer research group; She confessed not having exactly applied a static dataflow analysis à la "Gary A. kildall : A unified approach to global program optimization (https://doi.acm.org/10.1145/512927.512945)";

     BUT used only control flow graph related features to perform static dataflow analysis; this is NOT exactly ClANG (https://).

4. Pr. Prof. Dr.–Ing. Nomair Naeem, Ph.D. (https://www.cs.uwaterloo.ca/~nanaeem)
   - NOMAIR was the 1st person apart from Patrick, my doctoral Ph.D. advisor that took so much time to help me understand and proof read my DOCTORAL PH.D. THESIS (HTTPS://WWW.SEMANTICSCHOLAR.ORG/PAPER/TEMPORAL-PROPERTY-VERIFICATION-IN-PLUGIN-BASED-NOUNDOU/C68C2374B1DCA17EDAB774EE8A1D09B015F29B33) [1a];
   - NOMAIR helped myself in understanding the intricacies of a context–sensitive static parametric analysis by explaining from his research paper Multi–object ... (https://).

5. Prof. Dr. Ondřej Lhoták, Ph.D. (https://www.cs.uwaterloo.ca/~olhotak)
   - Professor Lhoták accepted to review my YERITH–SAINT algorithm thoroughly.
   - Ondřej was very kind to help me with source code of 1 of his 1st LLVM dataflow analysis, before I started my own.

6. Pr. Prof. Dr.–Ing. JOHN hopcroft, Ph.D. (https://www.cs.cornell.edu/jeh/)
   - Explanation, at my email request, and very promptly and generously about an algorithm in his compiler book.

'RESEARCH & DEVELOPMENT' AND TEACHING (GRADUATE INTERN AT INTERNATIONAL BUSINESS MACHINERY (IBM))

1. Perform duties assigned by big manager and PATRICK doyle in Java–J9 JUST–IN–TIME OPTIMIZATION team (, located in Markham–ONTARIO–canada); (advised by Prof. VIJAY sundaresan, M.Sc. (MCGILL, QC, CANADA) | Patrick Doyle, (M.ASc., UNIVERSITY OF TORONTO, Ontario, CANADA))) |
   IBM TORONTO–IDIOT SOFTWARE LAB. [01/2012 – 08/2012]

   [*Program OPTIMIZATION, "Clark–salaud Verbrugge, Ph.D. (https://www.sable.mcgill.ca/~clump) ", JVM – Java virtual machines, IBM – WEBSPHERE, Managers are really understandable, Racism from restaurant in india–bangalore–IBM–gay*] [Summary Dr.–Ing. (Ph.D.) Review Research-PAGES]

   I. ***Comfort excellent for work research at IBM***:

      1. I was working into a brown cubicle and had so much freedom in work that I WAS SOMETIMES afraid that I AM NOT PERFORMING well.

         BUT when I STARTED working closely more with VIJAY I felt so busy that I WAS DREAMING of going home around $03:00PM$ in evening;

         IN total, IBM in MARKHAM offers very good working and research conditions for his employees, ***even better than my previous 1st full–time job as JUNIOR-SOFTWARE-DEVELOPER at SIEMENS MEDICAL SOLUTIONS in Erlangen, BAVARIA, GERMANY !!!***

         SIEMENS MEdical solutions was really good in Erlangen; But i didn't like seeing "BOSS gerhard" watching his arm watch any 2 minutes to make sure we only had 45 minutes lunch–break; "Secretary "gudrun" is also really helpful and smiling ! "

   II. ***ISSUES - Problems with some colleagues***:

      1. ***Prof. Vijay Sundaresan, MSc. – from Bangalore, INDIA***
         THIS daemon of work was so kind that I ONLY FEEL I have satisfy him as much as he wanted and could !!!

         HE is very attracted to good and fast male workers; because female workers would only try to hijack his time for a snack !!!

         I am very proud of having work with such an amazing scientist at all !!!

         ALSO the team managers, including the chinese woman, were very kind to myself as the only male afro–descendant from AFRICA !!!

      2. ***Patrick idiot Doyle, M.ASc. – from Ireland–CANADA***
         THIS ignorant as a teacher and / or mentor couldn't even pick myself at time when I Was waiting for my hiring team for the internship to come at my encounter in the biggest room where we all intern were awaiting 1st day of internship.

   III. ***Duties of Graduate INTERN [Doctor of Engineering] Xavier Noumbissi Noundou***:

      1. ***FIX SOFTWARE TESTING FEATURE AUTOMATION USING BASH SCRIPTS***
         I felt a lot better at this task because I could feel having a positive impact on the project team lead by manager that I don't remember names and academic titles.

         ALSO vijay sundaresan wasn't very disgusting as people working in the restaurant, that always served myself BURNed food, especially paganan-food.

         Vijay sundaresan is a very talented software lead and developer that I could ever see in my career; I VERY MUCH LIKED THE INTERACTIONS with him compared to PATRICK doyle.

         TODAY I FEEL there are 2 factors that helped:
         A. MCGILL university (https://www.mcgill.ca) graduates in Computing Sciences are very much talented compared to other students from ONTARIO.
         B. VIJAY–sundaresan was born also outside of Canada–racist–systemic like my recruiting manager that I forgot about names;

      2. ***MAINTAIN CERTAIN DAYS BUG DATABASE***
         AT all not very difficult, since I WAS USED TO use CHARMNT in my previous full–time job at Siemens Medical Solutions in Erlangen, BAVARIA, germany.

      3. ***ATTEND TO COURSES AT IBM TORONTO-IDIOT LABORATORY GIVEN BY "pr. prof. dr.–ing. clark-salaud verbrugge" FROM MCGILL.ca (https://mcgill.ca) "on Creating Optimizations for Compilers"***

      4. ***SOLVE AS MANY AS BUGS IN COMPILER OPTIMIZATION CODE SOURCE IN C^{++}***
         Coming from a program analysis research team, that performed more static code analysis using framework like SOOT, and LLVM; I WAS KIND OF not performing very well at this task at all because of the very applied and complicated data structures; Especially because PATRICK–indigeneous–iranian–irish–from–british–kingdom never even got me to a small talk for explaining me briefly what was the governing ideas leading the development team in MARKHAM.

         INSTEAD, i only received so many documents that I had to read and detect understand myself.

         Earning as much as 3 000 $CAD monthly, I FELT SO BAD that I Went to complain to the manager; a very kind person; that allowed then myself to work with the team lead VIJAY sundaresan...

'RESEARCH & DEVELOPMENT' AND TEACHING (JUNIOR SOFTWARE DEVELOPER AT SIEMENS MEDICAL SOLUTIONS)

1. CREATE AND MAINTAIN C++ CODE SOURCE FOR THE SOFTWARE COMPONENT (which is protocol communication control) TXSUPERVIOR of Syngo–RTT–Artiste Therapist Software (advised by DARIO MERAVIGLIA | GERHARD SENG) |

SIEMENS MEDICAL SOLUTIONS, BAVARIA, GERMANY [NOV. 2007 – July 2009]

[*C++,*
Software Integration Testing,
ROBOTER–linac,
Radiation Therapy Treatment,
IMRT beam treatment,
TXSUPERVISOR software component development]

I. ***Duties of Junior Software Developer [Diplom–Informatiker (Dipl.–Inf.)] Xavier Noumbissi Noundou***:

1. ***"MARVELOUS TRAVEL to Concord, CALIFORNIA, USA : my greatest and high paid experience of work since I was given birth in*** 1983 ***!!!*** — 5 000 **EUROS**

   THANK you boss gerhard-idiot-SENG !!!!!!!! "

2. "Participation in cancer treatment (IMRT) radiation therapy training, and all other software development related training for this position as JUNIOR SOFTWARE DEVELOPER."

3. "***C++ coding and defects fixing*** of DMIP control communication protocol as heart of Software component TXSUPERVISOR: around 110 000 Lines of code (SLOC)."

4. Development of an automated software integration test infrastructure:
   a. Cygwin bash–scripting
   b. `Microsoft COM component as [CORBA] agent communication used`

5. ***Software Integration testing using "IBM Purify Plus"***.

   *(COMPETITOR FROM "**Pr. Prof. Dr.–Ing.** Xavier ~~**Noumbissi**~~ Noundou":* YRI–DB–RUNTIME–VERIF (`https://www.zenodo.org/records/10474033`) *[?b]):*
   git ***`https://www.github.com/yerithd/yri-db-runtime-verif`*** ;

6. "`DMIP Control Console`" device as user control management for simulating radiation therapy linear accelerator "SIEMENS Linac Artiste" in our laboratory in Erlangen ground–base;

7. *Focal entry point of all bugs of "Syngo-RTT-Artiste Therapist" software. INVESTIGATION, and then redistribution, according to defect type, to an appropriate sub–team VIA team–lead "Gehrard Seng".*

8. Support technical in writing software user manual with software testers.

9. Support technical with software testers in using "`Syngo-RTT-Artiste Therapist`" software.

10. Phone support technical in TROUBLESHOOTING "`Syngo-RTT-Artiste Therapist`" software.

11. Maintenance of communication development support from software developers from Siemens Concord in California, USA.

12. ***Maintaining using "MS office" of design documents of TXSUPERVISOR and "DMIP control communication protocol"; based on "FSM state machine theory": United States of America's FDA (U.S.A – Federal Drug and Administration), as well as CE (European Community) had to review the digitally signed documents; stored in "SAP–EDM (`https://www.sap.de`)*** ".

13. Assisting "DARIO meraviglia" in selection of interns based on their qualification as reported on their CV – resume.

14. Advising of 2 software testing maintenance part–time employees:
    1. 1 from Germany, from The University of Bamberg (Bayern, Germany);
    2. 1 as an intern, from India.

15. "`VMWare`" (`https://www.vmware.com`) as debugging image creator development tool.

16. "`MS Windows 2000`", as well as, "`MS Windows NT`", as software development operating systems platforms.

17. "`Visual Studio C++`" as IDE;

18. "`IBM Rational ClearCase`" as Code BASE source management control software used;

19. "`IBM CharmNT`" as bug management platform used;

'RESEARCH & DEVELOPMENT' AND TEACHING (JUNIOR SOFTWARE DEVELOPER AT SIEMENS MEDICAL SOLUTIONS)

1. CREATE AND MAINTAIN C^{++} CODE SOURCE FOR THE SOFTWARE COMPONENT (which is protocol communication control) TXSUPERVIOR of Syngo–RTT–Artiste Therapist Software (advised by DARIO MERAVIGLIA | GERHARD SENG) |

   SIEMENS MEDICAL SOLUTIONS, BAVARIA, GERMANY [11/2007 – 07/2009]

   [*C^{++}*,
   Software Integration Testing,
   ROBOTER–linac,
   Radiation Therapy Treatment,
   IMRT beam treatment,
   TXSUPERVISOR software component development]

   I. ***ISSUES – Problems with some colleagues***:

      1. ***Gerhard Seng and Dario Meraviglia told myself I should be promoted to the position of Dario as "technical lead of the software module component TXSUPERVISOR (only 1 developer)" if I could succeed in gaining a full–time permanent contract after an initial successful 6 months period of work under direct leadership of DARIO MERAVIGLIA.***

         "AFTER SUCCEEDING the trial period of 6 months, I obtain a change of software developer contract from a full-time limited contract to a full–time permanent contract with "Siemens Medical Solutions"."

         "HOWEVER after an additional 15 months of work, I am not anymore promoted to a higher level position of Technical Lead."

         "This is why I decide to make the effort to go back to academia and pursue [a doctoral Ph.D. in Electrical & Computer Engineering (Computer Software)] at the University of Waterloo, in ONTARIO, CANADA; WITH [Dr.-PhD patrick lam as academic adviser] !! "

      2. ***"Merlin Tonka from Cameroon" is calling me even before my first day at job in Erlangen to tell me he hopes I will be able to perform well and thus keep my job beyond the 1st 6 months period of try: He tells myself HE got my email from boss "Gehrard Seng";***

         "From NORTH of GERMANY WHERE I STUDIED AND LIVED for almost 6 years before being recruited and before moving to Fürth–BAVARIA–Germany, this is not "SACK–ARBEIT": I.E. one shall not mixed private life affairs with business matters at all: THIS IS HOW I LEARNED IT in HAMBURG, and BREMEN ! "

      3. ***"Merlin Tonka" one day follows myself in metro and bus so to tell me that HE shall be promoted as a team of a new testing and developers team, And that he shall be my manager.***

         " I was wondering silently (because very young in year 2008 with only 23.5) years old ("Merlin Tonka was at least 40 years old in front of my age"), that someone less qualified than myself and currently employed as only a software tester, which is a lower level required qualification; Put aside you are PhD–doctor-of-engineering; and that was recruited only 1 week before my personal recruitment, will become my manager by telling it to me only in streets ! "

         "THE italian master of science–level engineer Dario Meraviglia is my technical lead, followed by Gerhard Seng, our common teal lead at Syngo–RTT–Therapist–SW–Realize team" !

      4. ***After leaving "Siemens Medical Solutions" legally by resigning with a signed letter 3 months before leaving my IG–METAL-tariff-vertrag employment in year 2009; I sent a letter to thank "MERLIN TONKA" for the positive professional collaboration I had with him as a fellow cameroonian, despite a lot of troubles we had; I sent this letter only around 1 month after starting studying in Waterloo, Ontario, Canada.***

         "THE answer from "Merlin Tonka" is so negative minded and outspoken that I need to reply to tell him truth about not trying again to tell me he is superior to myself: I.e. Merlin tries in a letter to tell me I could not perform well in software developer job, that's why I resigned !!! "

         "Only smelling the same dirty "grey–shirt" MERLIN was wearing almost every day was not comfortable because he was sitting just opposite side of my office–desk ! "

         "I today in year 2024 can remark as a citizen living inside CAMEROON that killer from governmental agency [DGRE wear generally grey–shirts !]"

         "UDM–université des montagnes (`https://WIKIPEDIA.ORG-racist`) later on in year 2009 invited DGRE-activist MERLIN tonka through THE KILLER OF MY GENITOR théodore noumbissi; So called [HUGUES NTOMANI tiako], which is sleeping with genitor ROSE sangnou so to perform crimes on my person even now in year 2024 ! "

         "WHITE–blond supremacist slave–maker; PLEASE stop to hijack black afro–descendants that are talented. TILO. MÜCKE. DARIO. MERAVIGLIA. MERLIN. TONKA ! "

'RESEARCH & DEVELOPMENT' AND TEACHING – CONTINUED (1) (JUNIOR SOFTWARE DEVELOPER AT SIEMENS MEDICAL SOLUTIONS)

1. CREATE AND MAINTAIN C^{++} CODE SOURCE FOR THE SOFTWARE COMPONENT (which is protocol communication control) TXSUPERVIOR of Syngo–RTT–Artiste Therapist Software (advised by DARIO MERAVIGLIA | GERHARD SENG) |
SIEMENS MEDICAL SOLUTIONS, BAVARIA, GERMANY [11/2007 – 07/2009]

III ***Students living in Germany I helped during my whole time at Siemens Medical Solutions:***

1. ***"paternal uncle Demo Noundou from Cameroon"***.
   Information Technology student in Bachelor of Sciences (BSc) at "TUHH — Technische Universität Hamburg–Harbug".

   [Help in proof reading his Bachelor–Thesis.]

IV ***Students living in Canada I helped during vacation time by my uncle maternal "Théodore Wandji":***

1. Co–roommate of Théodore Wandji at 5850 Rue Souart, #7, H3S 2E8, Quebec, Montreal, CANADA:

   "Basser from Syria":

   Electrical & Computer Engineering student in Master of Applied Sciences (M.ASc.) at "ÉCOLE POLYTECHNIQUE DE MONTREAL".
   NON paid technical support in programming C^{++}, with ***"MS Windows** 2000 **as operating system (OS) platform"***.

2. ***"Fabrice TCHOUMI from Cameroon"***:

   Electrical & Computer Engineering student in Bachelor of Applied Sciences (B.ASc.) at "ÉCOLE POLYTECHNIQUE DE MONTREAL".
   NON paid technical support in programming C^{++}, with ***"MS Windows** 2000 **as operating system (OS) platform"***.

V ***Software Development Colleagues were:***

1. Software Developer "MAMIDI" from INDIA.
2. Software Developer "Detlef" (Contractor) from Bayern–Germany.
3. Team Lead "Gerhard seng" from Bayern–Germany.
4. Software Architect Balakrishnan; from India.
5. Technical Lead DESIREE görisen; from Bayern–Germany.
6. Technical Lead [Dr.] GANESH gopalakrishnan; from India.
7. Technical Lead [Diplom–Informatiker (FachHochschule) : [Dipl.–Inf. (FH)]] Johannes Bauer; from Bayern–Germany.
8. Technical Lead [Diplom–Informatiker (FachHochschule) : [Dipl.–Inf. (FH)]] Martin Maier; from Bayern–Germany.
9. Technical Lead [Ing., Polytechnico Di Milano] Dario Meraviglia; from Italy.

VI ***Software Testing Colleagues were***:

1. Test Manager "TILO mücke"; from Germany.
2. Software Tester "Merlin Tonka, M.Sc. (Computational Engineering, University of Erlangen–Nürnberg, Germany)" from Bagangte, Cameroon–French-Island
3. Software Tester "Suschma" from India
4. Software Tester "Swapnil, Bachelor (Mechanical Engineering)" from India
5. Software Tester "Dhananjay" from India

RESEARCH AND TEACHING (STUDENT SOFTWARE DEVELOPER AT GEWETE GMBH)

1. CREATE SQL databases Java Servlet programs and C^{++} communication protocol software programs (advised by SVEN KAMRATH | JENS MÖLLER) | BERGMANN AUTOMATEN GMBH (NOW GEWETE GMBH), GERMANY [03/2005 – 04/2007]

[C^{++}, *MAKE*,
Java, Servlets, apache ANT, Eclipse IDE,
XML (e.g: JAXP library),
Qt, SQL,
Vending machines, Communication protocol]

I. ***APPLICATION FOR A STUDENT DEVELOPER POSITION AT "BERGMANN AUTOMATEN GMBH"***:

I stumble on this offered position while I WAS LOOKING FOR A NEW DEVELOPER position part–time when I KNEW MY PROJECT with "PROF. DR. RER. POL. KLAUS–racist bönkost" would not be renewed.

THE position was advertised on a website for student jobs of the TUHH (`https://www.tuhh.de`).

II. ***Duties of Student Software Developer [Vordiplom in Informatik] Xavier ~~noumbissi~~ Noundou***:

1. "LaDIVA java servlet XML parsing project development, and its installer Graphical User Interface (GUI) program developed using "JSWING" (https://) Java library technology."
2. "MESO": "LaDIVA java servlet XML parsing follower project development."

   The novelty in this follower project is that I INTRODUCED, based on my research skills, acquired in BREMEN, an object–relational database object mapper called JAVA–ORB (https://); THIS was to be capable of giving newer customers ORACLE 9i functionalities from "LaDIVA java servlet XML parsing project" !!!
3. "C^{++} coding of a "Sap-ABAP protocol communication interface" to put "Bergmann Automaten GmbH" vending machines in communication with vending machine of Hamburg public library that used "BIBLIOTHECA software library"."
4. "C^{++} coding of SIPv2 control communication protocol (https://)."
5. Migration from "ORACLE 9i database tables" onto "MySQL database tables" for the MESO project (follower of LaDIVA software project); I used following technologies:
   a. BASH–scripting
   b. AWK scripting language.

III. ***Students living in Germany I helped during my whole time at "Bergmann Automaten GmbH, Rellingen, Hamburg":***

1. ***"paternal uncle Demo Noundou from Cameroon"***.
   Information Technology student in Bachelor of Sciences (BSc) at "TUHH — Technische Universität Hamburg–Harbug" (https://www.tuhh.de).

   "Demo" then obtained by "Bergmann Automaten GmbH" a position as "Bachelor student working on its thesis, project–based":

   a. I talked to "Mister Sven Kamrath of this request", by "Mister Demo Noundou", of a Bachelor Thesis Project.

   b. HE ("DEMO") then refused a final offer as full–time "Java software developer" because he felt he couldn't perform well in a "Java plain object (JPO)" software development environment.

   c. *"[2008] Demo Noundou, B.Sc." then accepted a position at "Canon Ltd. as* **PHP – Java Web Software Developer** *in Osnabrück; HE can–also wear title Dipl.–Ing. (FH)."*.

   d. " [2015] DEMO NOUNDOU is now at his own company in web development & training in HAMBURG. (https://ank-technologies.com) "

   e. " [2024] DEMO is also a consultant in african universities curriculum development based in KENYA, and others. NO ONE CAN BE A PROPHET IN HIS HOME–YAOUNDE. (https://SAINTEBIBLE.COM/jesusquoteTOCHECK) "

   "DEMO NOUNDOU, B.Sc." also had a "grade of (10.5/20)" which is not a very good grade to enter such position as the one I GOT LATER ON AT siemens medical solutions; A "GRADE OF 14.5/20" is required to apply for any entry level position at "SIEMENS AG GERMANY–low–payer".

IV. ***ISSUES - Problems with some colleagues***:

1. ***Herr Sven Kamrath was very angry at myself 1 day during my stay in Rellingen to talk about an ongoing project 'LaDIVA XML Servlet Parser Server' !***
   "He found a subtle bug that I then fixed the same day."

'RESEARCH & DEVELOPMENT' AND TEACHING (WEB–HTML–CSS DEVELOPER AT ZENTRUM FÜR MULTIMEDIA IN DER LEHRE (ZMML))

1. CREATE AND MAINTAIN websites – www.s-hb.de (https://www.s-hb.de) mainly – for KLAUS–racist–extreme BÖNKOST (advised by PROF. DR. RER. POL. criminal Klaus Bönkost) |
   ZMML–UNIVERSITY–RACIST-SEXIST OF BREMEN, BREMEN, GERMANY [Feb. 2003 – Feb. 2005]

   [*'dunklefarbige mitarbeiter xavier aus Afrika',*
   HTML5,
   CSS,
   "photoshop",
   IMAGE–dateien,
   FADRI,
   SVEN schu]

   I. ***Duties of WERKSTUDENT [candidate vordiplom in INFORMATIK] Xavier ~~noumbissi~~ Noundou***:

      1. "***Reception, and implementation, of design documents (e.g.: "photoshop images", etc.) from FADRI-racist***."
      2. ["***Programming of HTML5, CSS web pages***."]
      3. "***Programming of RAD–server programs with Graphical User Interfaces (GUI); With programming support of Sven–schu-nazi***."

         "***RAD–server programming language (https://wikipedia.org...) is a sample VISUAL BASIC dialect domain specific language.*** "
      4. "***Participation in weekly meeting on development of websites and test facilities for students in economia***."

RESEARCH AND TEACHING OBJECTIVES – UNI–RACIST BREMEN

1. CREATE A MODEL-BASED TESTING FRAMEWORK TO AUTOMATICALLY GENERATE STATECHART MODEL TEST CASES FOR REACTIVE SYSTEM SOFTWARE (advised by Prof. Dr. rer. nat. habil. Jan Peleska) |
UNIVERSITY OF BREMEN, BREMEN, BREMEN, GERMANY [09/2006 – 05/2007]

a. MASTER IN COMPUTER SCIENCE THESIS (DIPLOMARBEIT): "STATISTICAL TEST CASE GENERATION FOR REACTIVE SYSTEMS (GRADE 18/20)"; as part work for the **FSE–SOQUA** (2006) Research Conference Proceedings full research paper: 'Test Automation for Hybrid Systems' (VERIFIED.DE), AGBS–UNIVERSITY OF BREMEN, GERMANY [12/2006 – 05/2007]

[*"V"–"WATER FALL"–MODEL of Software Development, reactive system, statechart, TDIOHS (time discrete input output hybrid system), STCT (symbolic test case tree), uniformly distributed statistical test case generation, MBT–RT-Tester*]

Algorithms developed by myself for this 'Master of Science research–based Thesis ("Diplomarbeit" in German)' (`https://www.informatik.uni-bremen.de/agbs/qualifikationsarbeiten/diplomarbeiten_e.html`) [1a], based on 'Prof. Dr. Marie–Claude Gaudelle' research outcome, as a mathematician in France, are used in the `RT-Tester` tool of the verification and validation research and German society "VERIFIED SYSTEMS INTERNATIONAL GMBH, SPIN–OFF THE UNIVERSITY OF BREMEN" *(`https://www.verified.de`) .*

b. C^{++} CODE GENERATION PLUGIN IMPLEMENTATION WITHIN CASE tool '`Borland-Together`', AGBS–UNIVERSITY OF BREMEN, GERMANY [09/2006 – 02/2007]

[*reactive system, statechart, TDIOHS (time discrete input output hybrid system), STCT (symbolic test case tree), C^{++} code generation, MBT–RT-Tester*]

Our algorithms are for the "`TDIOHS: Timed Discrete Input / Output Hybrid System`" (`https://www.informatik.uni-bremen.de/agbs/jp/papers/peleska_et_al_soqua2006.pdf`) state diagram formalism, that could be visualized by statecharts for instance using a 'Verified Systems International GmbH plug–in' for 'Borland-Together 6' (`https://en.wikipedia.org/wiki/Micro_Focus_Together`).

c. CogAG project: "Robot "Arni" usage in framework of creating mapping recognition algorithms and cartography.", Cognitive Systems Group (CoSy), "Christian Freksa as Project creator and lead", CoSy – University of Bremen, GERMANY [01/2005 – 03/2007]

[*Cognition, Cartography, Robot control, sensor, actuator, Debian Linux, C^{++}, `Qt`, systemic racism*]

"My personal contributions were in creating `QT` user interfaces code for controlling the virtual shop and the roboter "ARNI". I also was very much implicated in Software Engineering round–about code such as blackbox code for keeping a BB–blackboard software architecture between our software components and the `MySQL` database tables used to share some of the data between components of the software system."

I was also involved in:

1. *HELPING in general project organization for instance:*
   A. Writing project meeting minutes.
   B. Looking for places in train, buses for project week-end ("PROJEKT WOCHENENDE")
   C. Etc.
2. *Searching for places ("Student sleep places – JUGENDHEBERGE") for project-week-end in groups for fasting our project development;*
3. *Writing `LaTeX` documentation for project reports;*
4. *Writing `JUnit` testing code for GUI code;*
5. *Writing BASH–scripts for tackling connection problems between actuators and the Debian Linux Operating System (thanks to Christian).*

"Unfortunately I received a grade of only 2.7 (14/20) because I wasn't interested in cartography and cognition algorithms since this was the specialty of "Christian Freksa" and "CoSy Group of Research" (`https://cosy.informatik.uni-bremen.de`)."

THIS IS THE REASON our project advisors "FRANK dylla", and "LUTZ frommberger" gave as justification to this baddest grade during my entire curriculum in ACADEMIA at all !

I also need to mention that I was the only "SCHWARZNEGGER – black from africa" in this research group of mainly white–blond–racists like "MICHA", and "STEPHAN"...

THEse 4 racists-idiot said some day I may not be very comfortable in group working with white–intellectual. I THINK "frommberger the female-male-gay–BORN-male was at origin of such systemic" sexist discrimination around myself; even during my research time under supervision of male-female–chevalie–boivert-PATRICK-lam !

d. "A SEMENTIC COMPARISON BETWEEN BÜCHI AUTOMA AND TIMED AUTOMATA (Grade 20/20)", AGBS–UNIVERSITY OF BREMEN, GERMANY [09/2004 – 12/2004]

[*Vordiplom in informatik – INDEPENDENT STUDY, Bachelor Independent Study, timed automata, büchi automata, timed csp, set algebra*]

I developed a set of transformations functions that take as input a büchi automaton and generates a timed automaton.
This work was the 1st work under supervision of "Jan Peleska", at our request, because we had interest in working in avionics software development in his company "Verified Systems International GmbH (`https://www.verified.de`)".

It is my uncle maternal "Théodore Wandji Ngongang" who is the one that gave me this advise at that time of my life where I was around 20 years old in Germany; "Just at my 2nd year of University."

"Finally a small offer a 200 Euros monthly came after I performed 100 % for this work unpaid [details at link 1b], that I used as Independent study. "

e. "1st & 2nd Semester Software Development PROJECT (Grade 18/20)", ST–UNIVERSITY OF BREMEN, GERMANY [09/2002 – 09/2003]

[*"V"–"WATER FALL"–MODEL of Software Development, Software Engineering, Project Requirements, "Gant Diagrams", UML 2.0, XML, PHP, MySQL, `Java`*]

- *"This 1st and 2nd semester project, divided in 2 parts consisted in creating a multi–user dungeon server (MUD–server) where a virtual world existed; 1st year was used to elicit user software program requirements, and establish "Requirement documents using UML 2.0".*
- *""`telnet (port 23)`" protocol was used as client–server communication mechanism."*
- *"I involved myself in a project where I contributed around 7 000 lines of plain `Java` code of program development."*

RESEARCH AND TEACHING OBJECTIVES – PSY–CARE – UNIVERSITY OF BREMEN

1. Psychological care |
UNIVERSITY OF BREMEN, BREMEN, BREMEN, GERMANY [10/2002 – 07/2007]

A. *"DIPL.–PSYCH. RALF ERIC STREIBL."*, **MATHEmatics and Computer Science Department**, University of Bremen, Germany [10/2002 – 07/2007]

[*"Dipl.–Psych. Ralf ERIC Streibl"*.]

"As a student of computer science in the "FB3" of the UNIVERSITY OF Bremen, In city Bremen, HANSEATISCHE-CITY, Germany, WE had a psychologist as 1 of our lecturer called "Dipl.–Psych RALF–idiot Eric Streibl"."

RALF–idiot was kind of very reluctant to discriminative opportunities because I remember having visited courses on web creation based on PHP, and **MariaDB**, *since I WAS having [a student–job (WERKSTUDENT) at "ZMML"].*

Eric RALF–idiot also gave myself a so called course titled "PROPÄDEUTIK" where we students learned on how to effectively, clearly present our projects or work; THIS was done in groups and individually !

B. *"AT–HOME–RACIST–IN–BREMEN PROGRAM"*, **Foreigner office–"Sekretariat für AUSLÄNDISCHE studierende"**, University of Bremen, Germany [JULY 2005 – AUGUST 2017]

[*"RAÏNER schulze–smidt"*.]

THIS program was exclusively addressed for foreign country students to gain access to german in–born families in order to accustom one to germany as a home country.

"I joined this program because my maternal uncle "THÉODORE WANDJI" recommended it to myself because He was emigrating to CANADA–montreal, And would have been very far from me. "THÉODORE wandji ngongang" was the one person that welcomed and invited myself to study in BREMEN ! "

AT this effect, each volunteer foreigner student would be connected to a single volunteering family of BREMEN. IN my specific case, I was assigned to the "ARISTOCRATIC"–bürgerliche family "SCHULZE–SMIDT", originating predominantly from HOLLAND into GERMANIA.

MISTER "raïner–schulze–smidt", and his 2nd"SPOUSE GABRIELLE schulze-smidt" were really kind and nice to myself.

"RAINER was "sole investor and proprietor–German–INHABER of an insurance company in Bremen, and in LONDON–great–britain", WHERE he did his apprenticeship as "INSURANCE–business–man". HIS 2nd spouse Gabrielle that I met in person; Was a part–time "physiotherapist" for the football team of Bremen city : "WERDERBREMEN (https://)"."

Through them, I could know more about the origins of the autonomous–HANSE-STADT of Bremen, since "GOVERNOR SMIDT" as upper–upper grandfather of "MR. RAÏNER Schulze–Smidt", was governor of BREMEN for 50–years, and is the one person that acquire land from "HANNOVER–autonomous–STATE", to create a water–port–German–haven; "BREMERHAVEN", as a city and port for the autonomous city–federal–STATE of BREMEN.

People and places I visit, and met, through organization of RAINER and GABI :

1.) *HIS cousins from Brazil by talk–only & pictures (https://); that I DON'T remember family names;*
2.) *HIS cousins from JOHANNESBURG by talk–only & pictures (https://); that I DON'T remember family names, but that are having a wool factory for exportation in the state of BREMEN–recist germania;*
3.) *VISIT of "evangelic church" on King–JESUS birth day "December 25th";*
4.) *VISIT of MUSEUM–"Fockemuseum";*
5.) *VISIT of "musical–theater" in "BREMEN–DOMSHEIDE";*
6.) *"~~Bernhadine~~", "Caspar", "Johann" & "senior sister JULIA" schulze-smidt.*
7.) *Several friends of them in need of computer technical help in terms of Software installation, and support.*
8.) *"DOROTHEE" and "her brother Dr. oec. Sebastian Dettmers (https://)";*
9.) *"Kryenhop family" (https://) : a leader in industrial transfer And sale of asian food and products into GERMANY :*
    a.) *Father "Rolf";*
    b.) *Daughter "SVANTSKE";*
    c.) etc.

"I quit this family relationship at request of "RAÏNER" and "his 2nd spouse GABRIELLE-gabi", because they thought I lied to them that I have got a position as a temporary "SOFTWARE DEVELOPER" employee earning "70 000 Euros" annually at "AMADEUS Germany GmbH", Via THE frankfurter human resource company "". "

MAJOR PROFESSIONAL SOCIETAL IMPROVEMENTS I

1. **2003 – 2005**: [ZMML – University of Bremen, Bremen, Bremen, Germany]: I HAVE ENHANCED LEARNING CAPABILITIES of economics students at the University of Bremen by DEVELOPING WEBSITES AND STUDENT SELF–LEARNING COMPUTER PROGRAMS, together with THE TEAM OF PROFESSOR KLAUS BÖNKOST.

2. **2006**: [FB 3; University of Bremen, Bremen, Bremen, Germany]: I HAVE created a website for the AFRICAN STUDENT ASSOCIATION "Nasgen e.V (New African Student Generation eingetragener Verein)" !

3. **2006**: [AGBS – University of Bremen, Bremen, Bremen, Germany]: I HAVE pleaded FORMER CAMEROON STUDENT serge achille fopoussi nono TO COME WITH MYSELF CONTRIBUTE at work research group of PROFESSOR JAN PELESKA.

4. **2006**: [GEWETE GmbH, Rellingen, Hamburg, Germany]: I HAVE completely alone, installed and deployed a networked installation of LaDIVA at a section of "KARLSRUHE city council !", SO TO ALLEVIATE DUTIES OF dear mentor DIPLOM–INGENIEUR (FH) SVEN KAMRATH !

5. **2006**: [GEWETE GmbH, Rellingen, Hamburg, Germany]: I HAVE SUCCESSFULLY pinpoint TU HAMBURG–HARBURG CAMEROON STUDENT david demo noundou TO MR. JENS MÖLLER of GEWETE GmbH [1], FOR HIM to HELP MR. DAVID DEMO NOUNDOU with access to FINAL SCHOOL YEAR WORK EXPERIENCE, AND BACHELOR OF SCIENCE THESIS–WORK.

6. **2006**: [University of Bremen, Bremen, Bremen, Germany]: I could successfully provide "MS WINDOWS SOFTWARE" INSTALLATION, TROUBLESHOOTING, and TRAINING to several GERMAN people because of "DEAR MR. RAINER SCHULZE–SMIDT" and HIS SPOUSE "MS. GABRIELE SCHULZE–SMIDT".

   THESE EXPERIENCES WERE VERY POSITIVE FOR my finances !

7. **2005 – 2007**: [AGBS – University of Bremen, Bremen, Bremen, Germany]: I HAVE CONTRIBUTED TO TESTING EFFORTS BEFORE FIRST LAUNCH OF JET FLIGHT "AIRBUS A380" by my scientific AND engineering contributions in STATISTICAL TEST CASE GENERATION within RT–TESTER software of VERIFIED SYSTEMS INTERNATIONAL GmbH; THANKS TO MERCIFUL PROFESSOR JAN PELESKA.

8. **2007 – 2009**: [SIEMENS MEDICAL SOLUTIONS, Erlangen, Bayern, Germany]: I HAVE SUCCESSFULLY MAINTAIN All Oncology Care Systems HOSPITALS customers, throughout the whole planet, ON FRONT–LINE OF problem/defect RESOLUTION WHENEVER technicians on CRITICAL problem phone resolution lines 1, 2, and 3 COULDN'T SOLVE SOFTWARE TECHNICAL ISSUES of linac.

9. **2009 – 2011**: [University of Waterloo, Waterloo, ON, Canada]: I HAVE socially, WITH COMPUTING TECHNOLOGY, helped following afro–descendants from CAMEROON:
   1. CÉLESTIN puene: helped him search on the internet, and call, because of his poor English language knowledge, U.S.A businesses for inquiring on buying trucks for his brother in Cameroon.
   2. FABRICE Kouam Kamdem: maintained and improved an on–line website for FREE for his cameroon oriented professional association.
   3. ALBERT HERVAIS Ngagom Piewe: taught Debian–Linux basic shell command usage, Java and C^{++} programming on phone and internet.
   4. I HAVE presented orally and given personal written material ON SOFTWARE SECURITY AND SAFETY to CAMEROON ASSOCIATION of migrants in KITCHENER–WATERLOO: "ROWAC".

10. **2012**: [IBM Toronto Software Laboratory, Markham, ON, Canada]: I HAVE INTRODUCED skilled migrant cameroon worker, as ACTUARY in TORONTO, "AUDREY Nguetie Tchamga, B.Sc (Université de Laval, Québec, CANADA)" to use and exploitation of FREE AND OPEN SOURCE SOFTWARE (FOSS) "Debian Linux".

11. **2012**: [IBM Toronto Software Laboratory, Markham, ON, Canada]: I HAVE advised, counseled, and even developed an on–line website for fellow CAMEROON expatriate YVES FRANCIS Kamga Mbiele, MBA (ÉCOLE SUPÉRIEURE DE GESTION, Paris) ON HIS ABANDONED PROJECT (WITH DAUGHTER OF FORMER ENERGY MINISTER of cameroon) FOR SOLAR ENERGY PRODUCTION in cameroon.

    I WAS INTRODUCED to "YVES FRANCIS Kamga Mbiele, MBA (E.S.G, Paris)" BY MY AUNT–HUSBAND pr. shanda–tonme jean–claude.

12. **YEAR–2012**: I COULD SUCCESSFULLY buy and implement foundations of "IMMEUBLE $\text{YERITH}_{\text{r\&d}}$ " which WILL STEM as a "PREMIER COMPUTING RESEARCH AND "Software Testing & Validation"" center in CENTRAL AFRICA (yaounde, center region, cameroon) !

    I BOUGHT THIS PLOT OF LAND FROM hon. THÉODORE DATOUO; vice–president of parliament in YAOUNDE, CENTER REGION IN CAMEROON !

    Land title CERTIFICATE nr.: 560 792, in SIMBOK, mfoundi vi (6), vol. 265 !

13. **2014**: [University of Waterloo, Waterloo, ON, Canada]: I HAVE searched information, on how to WELCOME and ACCOMMODATE CAMEROON AMBASSADOR IN OTTAWA, for "ROWAC", a cameroonian ASSOCIATION of high skilled migrants (MOSTLY PROVENING FROM GERMANY) in KITCHENER–WATERLOO.

MAJOR PROFESSIONAL SOCIETAL IMPROVEMENTS II

14. **2021**: [YERITH R&D, Yaounde, Center, Cameroon]: I HAVE built a partnership with Dr. PETER Akume Ngoe and his societal NGO so to provide his NGO with VERY CHEAP AND APPROPRIATE software solutions for a NGO financed foodstore.

15. **2022**: [YERITH R&D, Yaounde, Center, Cameroon]: I HAVE SUCCESSFULLY trained Mr. NESTOR Kenfack in ONLY 3 days at basic usage of our ERP software system YERITH–ERP–9.0–platinum for hardware shop selling. Mr. NESTOR Kenfack IS ONLY holder of a "B.E.P.C".

    USUALLY in Yaounde, a holder of a "B.E.P.C" couldn't be trained to use COMMONLY present ERP SOFTWARE SYSTEMS (e.g.: 'Sage Gescom i7', 'SAP Business One', etc.), BECAUSE THEY ARE MEANT for highly qualified users.

    Mr. NESTOR Kenfack HAD NEVER GOT exposure to an ERP system in the past.

16. **2023**: [YERITH R&D, Yaounde, Center, Cameroon]:
    I have given software cyberspace security counsels to Santa Lucia AHALA by talking to a computer technician employee because I could see vulnerabilities at cashier while paying for my goods.

17. **2023**: [YERITH R&D, Yaounde, Center, Cameroon]:
    I have counseled a business owner to start a bigger grocery shop and gave him ideas and ways on how to realize this using YERITH–ERP–9.0–PLATINUM, and, also, my unfinished two-storey building.

18. **2023**: [YERITH R&D, Yaounde, Center, Cameroon]:
    I have started YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE), so to improve computing skills of fellow citizen, and also, of any other person that conforms to Cameroon laws !

20. **2024**: [YERITH R&D, Yaounde, Center, Cameroon]:
    I try to have SANTA–LUCIA–AHALA AS 1 OF MY CLIENT THESE COMING YEARS so to have YERITH–ERP–9.0–PLATINUM there working instead of '0doo'.
    So they (SANTA–LUCIA–AHALA) will contribute in improving quality by thorough usage of this new platinum–platform.

21. **2024**: [YERITH R&D, Yaounde, Center, Cameroon]:
    I am now working with ALT PLUS in YDE–AHALA so to have a working Supermarket in one, Instead "of a hardware-shop + a food-store separately, BUT JOINED physically".

MAJOR PROFESSIONAL COMPUTING RESEARCH ACHIEVEMENTS I

1. **YEAR–2005**: IMPLEMENTATION OF the Java servlet XML parsing and saving server "LaDIVA", AND ITS GUI (JAVA–SWING) configuration and installer program; for GEWETE GmbH !
2. **YEAR–2006**: IMPLEMENTATION OF "MESO"; the IMPROVED and revised version of the XML parsing and saving server "LaDIVA" for GEWETE GmbH !
3. **YEAR–2006**: IMPLEMENTATION OF the library computer systems communication protocol SIPv2 for GEWETE GmbH vending machines !
4. **YEAR–2005**: INVENTION OF A PROCEDURE TO systematically transform A BÜCHI AUTOMATON into A TIMED AUTOMATON ! TASK COORDINATED BY SHAREHOLDER PROF. DR. RER. NAT. HABIL. JAN PELESKA, of VERIFIED SYSTEMS INTERNATIONAL GmbH !
5. **YEAR–2006**: CREATION OF (with higher study part team CogAg of the University of Bremen [Cognitive Systems Group led by DEAR LATE PROFESSOR CHRISTIAN FREKSA]) ROBOT "arnie"; AND PROCEDURES TO automatically map a supermarket both geographically AND store item-wise with RFID technology by HELP OF A ROLLING ROBOT "arnie" !
6. **YEAR–2007** [FB 3! AGBS: Diplom–Informatiker (Dipl.–Inf.)]: IMPLEMENTATION OF statistical uniformly distributed test cases generation for HAREL–statecharts ! COMMERCIALIZED BY VERIFIED SYSTEMS INTERNATIONAL GmbH !
7. **YEAR–2007**: [FB 3! AGBS: University of Bremen, Bremen, Bremen, Germany]: I HAVE CONTRIBUTED TO TESTING EFFORTS BEFORE FIRST LAUNCH OF JET FLIGHT "AIRBUS A380" by my scientific AND engineering contributions in STATISTICAL TEST CASE GENERATION within RT–TESTER software of VERIFIED SYSTEMS INTERNATIONAL GmbH; THANKS TO MERCIFUL PROFESSOR JAN PELESKA.
8. **YEAR–2008**: IMPLEMENTATION OF the communication and control protocol DIGITAL MEVATRON INTERFACE PROTOCOL (DMIP) version 13 for THE LINEAR ACCELERATOR "linac" of SIEMENS MEDICAL SOLUTIONS, Oncology Care Systems (OCS) !
9. **YEAR–2009**: Stopping my career; AFTER 21 MONTHS; as JUNIOR SOFTWARE DEVELOPER at SIEMENS MEDICAL SOLUTIONS (Oncology Care Systems) in ERLANGEN, BAYERN, GERMANY; with 0 defects / faults returning FROM CUSTOMERS because OF non achievement protocol repair ! Award saying from BOSS GERHARD SENG; MY TEAM LEAD !
10. **YEAR–2011** [ECE! Ph.D. in Computer Science]: I HAVE INVENTED AND INTRODUCED A PRACTICAL AND SIMPLE STATIC ANALYSIS BY ITERATIVE DATAFLOW ANALYSIS, to check temporal safety properties, expressed with tracematches, of Java programs !

    THIS TECHNIQUE HAS BEEN USED in following:

    1. (* Similarly, but as a dynamic analysis technique) MASC thesis (2011; submitted at the UNIVERSITY OF WATERLOO, ON, CANADA), OF ASSISTANT PROFESSOR JON Eyolfson of the UNIVERSITY OF TORONTO, ON, CANADA !

       EVEN THOUGH JON Eyolfson MASc (COMPUTER ENGINEERING) SUBMISSION WAS EARLIER THAN MY Ph.D. in SOFTWARE ENGINEERING THESIS DEFENSE, because of finding an examiner (reporting) within ECE DEPARTMENT, I AM THE ONE THAT GAVE A PROTOTYPE DESIGN AND PROTOTYPE DOCUMENT FOR HIS SUBMISSION !
11. **YEAR–2012**: I COULD SUCCESSFULLY DEVELOP manual and automatic BASH (Bourne Again SHell) programs (scripts), THAT LEAD TO A 0.5% improvement of WEBSPHERE computing performance !
12. **YEAR–2013**: CREATION OF A RUNTIME dynamic taint analysis for the QUERCUS PHP INTERPRETER !
13. **YEAR–2015**: FIRST WORLD–WIDE OPEN–SOURCE (foss) RELEASE OF AN LLVM–BASED ON INTERMEDIATE REPRESENTATION (IR) static iterative KILDALL (gary kildall) DATAFLOW ANALYSIS named `'YERITH-SAINT'` !
    `'YERITH-SAINT'`: `https://www.github.com/sazzad114/saint` !
14. **YEAR–2015**: CREATION OF A CONTEXT–SENSITIVE FLOW–SENSITIVE tainted paths generation algorithm by iterative dataflow analysis !

    THIS TECHNIQUE HAS BEEN USED in following:

    1. (* EXACT same technique) PH.D. dissertation / thesis IN COMPUTER SCIENCE (2020; submitted at VIRGINIA TECH, VA, U.S.A), OF ASSISTANT PROFESSOR SAZZADUR Ahaman AT University of Arizona, Tucson, AZ, U.S.A !
    2. PH.D. dissertation / thesis IN COMPUTER SCIENCE (2020; submitted at the UNIVERSITY OF CALIFORNIA, SANTA BARBARA, CA, U.S.A), OF ASSISTANT PROFESSOR ARAVIND Machiry AT Purdue University, IN, U.S.A !
15. **YEAR–2020**: FIRST OFFICIAL RETESTED RELEASE OF THE full featured OPEN SOURCE enterprise resource planing software "YERITH–ERP–3.0–STANDALONE"; FIRST OFFICIAL RELEASE OF THE OPEN SOURCE AUTOMATED BACKUP–SYSTEM AND ALERT ("yerith–erp–3.0"–system–daemon": git `https://www.github.com/yerithd/yerith-erp-9-0-system-daemon`) of FOSS–ERP ("YERITH–ERP–3.0–STANDALONE" git `https://www.github.com/yerithd/yerith-erp-9-0`) !

    "YERITH–ERP–PGI–standalone, server, academic, client" ARE THE DIFFERENT VERSIONS OF THIS FOSS–ERP–PGI–FRENCH !

    SERVER AND CLIENT are mainly meant for a supermarket having several cashiers offices, AND A SERVER directing MYSQL–commercial options in common for different client–cashier–OFFICES !

    ACADEMIC is meant for use WITH an IN–MEMORY DATABASE like "SQLite" !
16. **YEAR–2021**: First stable release of YERITH–ERP–3.0–STANDALONE at PHARMACY FIANGO LYCÉE MAKÊPÈ !

MAJOR PROFESSIONAL COMPUTING RESEARCH ACHIEVEMENTS II

17. YEAR–2022: FIRST DELIVERY OF a compendium OF DOCUMENTS concerning OUR ERP SOFTWARE–SYSTEM YERITH–ERP–3.0–STANDALONE !
https://www.zenodo.org/record/8052724/

18. YEAR–2022: CREATION OF AN OPEN SOURCE state transition diagram LIBRARY FOR RUNTIME DATAFLOW VERIFICATION (YR_SD_RUNTIME_VERIF) (git https://www.github.com/yerithd/yri_sd_runtime_verif)

20. YEAR–2022: MODIFICATION OF A Free Open Source Software (FOSS) "QVGE" (https://showroom.qt.io/qvge-qt-visual-graph-editor) TO DESIGN state diagram TEMPORAL SAFETY PROPERTIES ! "YR_QVGE" ! YR_QVGE is a commercial tool of mine priced at 3 000 EUROS a single executable copy.

21. YEAR–2022: CREATION OF AN OPEN SOURCE SOFTWARE FRAMEWORK for runtime dataflow analysis (YRI–DB–RUNTIME–VERIF | YR_SD_RUNTIME_VERIF) (git https://www.github.com/yerithd/yri-db-runtime-verif | git https://www.github.com/yerithd/yri_sd_runtime_verif)!

22. YEAR–2022: I have added a runtime check verification view within FOSS–ERP ("**YERITH–ERP–**3.0–**SERVER**": git https://www.github.com/yerithd/yerith-erp-9-0) IN ORDER TO VIEW LOG MESSAGES SENT TO YRI–DB–RUNTIME–VERIF !

23. YEAR–2022: CREATION of a systematic method, AND / OR PROCEDURE TO TEST AND / OR verify dataflow of thick–client (or web application), AGAINST A SAFETY TEMPORAL PROPERTY SPECIFICATION expressed as a STATE DIAGRAM (modified mealy machine) !

24. YEAR–2022: FIRST OFFICIAL REPORT in FRENCH LANGUAGE OF ACTIVITIES of YERITH R&D SINCE RELEASE OF FIRST STABLE VERSION OF YERITH–ERP–9.0–platinum!
"REPORT in french: https://www.zenodo.org/record/8051568/" !

25. YEAR–2023: creation of a domain-specific language (YRI_SD_RUNTIME_VERIF_LANG) to describe *state diagram mealy machines* (SDMM).

26. YEAR–2023: IMPLEMENTATION with flex and bison OF A DOMAIN-SPECIFIC LANGUAGE COMPILER to create source C++ code files for YRI–DB–RUNTIME–VERIF: YRI_SD_RUNTIME_VERIF_LANG (git https://www.github.com/yerithd/yri_sd_runtime_verif_lang).

27. YEAR–2023: SUBMISSION OF A FULL TECHNICAL PAPER ("YR_DB_RUNTIME_VERIF: A FRAMEWORK FOR VERIFYING SQL CORRECTNESS PROPERTIES OF GUI SOFTWARE AT RUNTIME") TO SPLASH–ICTSS 2023 CONFERENCE in May 2023.

28. YEAR–2023: Implementation of more than 2-states *state diagram mealy machine* (SDMM) in YRI-DB-RUNTIME-VERIF (git https://www.github.com/yerithd/yri-db-runtime-verif), and YRI_SD_RUNTIME_VERIF (git https://www.github.com/yerithd/yri_sd_runtime_verif).

29. YEAR–2023: IMPLEMENTATION of guarded condition expression specification within YRI_SD_RUNTIME_VERIF (git https://www.github.com/yerithd/yri_sd_runtime_verif), and automated code generation of guarded condition expression in YRI_SD_RUNTIME_VERIF_LANG_COMP (git https://www.github.com/yerithd/yri_sd_runtime_verif_lang).

30. YEAR–2023: IMPLEMENTATION OF EMPLOYEE PAY GROUP within YERITH–ERP–9.0–platinum.

31. YEAR–2023: First release of our CASE (Computer-Aided Software Engineering) drawing design tool " **YRI_QVGE** " official commercial document.

32. YEAR–2023: online ENGLISH INTO FRENCH, and vice versa LANGUAGE TRANSLATION within YERITH–ERP–9.0–platinum.

33. YEAR–2023: CREATION of a viewing graphical user interface application for YRI-DB-RUNTIME-VERIF in JUNE.

34. YEAR–2023: IMPLEMENTATION OF FIRST RELEASE OF automatic EMPLOYEE PAY GROUP SALARY CALCULATION. Cumulated pay groups for a single employee salary calculation is included.

35. YEAR–2023: CREATION OF a user's guide for *YERITH_QVGE* .

36. YEAR–2023: STARTED IMPLEMENTATION OF a user sample project AUTOMATIC binary executable generation in YRI-DB-RUNTIME-VERIF.

37. YEAR–2023: IMPLEMENTATION OF MULTIPLE programs under analysis (PUA) monitoring within YRI-DB-RUNTIME-VERIF.

38. YEAR–2023: IMPLEMENTATION OF MULTIPLE runtime monitors WITHIN A SINGLE EXECUTABLE for YRI-DB-RUNTIME-VERIF.

39. YEAR–2023: STARTED journal article (https://www.zenodo.org/record/8381187) for STTT official journal release.

40. YEAR–2023: started a predicate logic for deriving SOFTWARE RECOVERY ACTIONS for sdmm ("state diagram mealy machine").

41. YEAR–2023: started writing YERITH R&D 2023 annual report (https://www.zenodo.org/records/10515549).

42. YEAR–2024: finished writing YERITH R&D 2023 annual report: THIS REPORT specifically says that CPDM ruling party has tried to destroy my life using CHRISTIAN eyoum (https://scholar.google.fr/citations?user=eHvsI1UAAAAJ&hl=fr).

43. YEAR–2024: started writing courses curricula and content for several courses of YECEFOIQ (https://www.yecefoiq-sarl.cm).

44. YEAR–2024: started creation of a web site application for teaching computer science center YECEFOIQ.

45. YEAR–2024: I have implemented case insensitive search for financial expenses list within YERITH–ERP–9.0–PLATINUM.

46. YEAR–March 2024: I have paused new features in YERITH–ERP–9.0–PLATINUM (I.E.: Human resource management, and Financial Accounting management) due to advancements required for their quality assurance, WITH **YRI_QVGE**!

MAJOR PROFESSIONAL COMPUTING RESEARCH ACHIEVEMENTS III

47. **YEAR**–March **2024**: I could finally find 1 company commercial that rented my 1st 3–bedrooms apartment in DLA for "90 000 Xaf" monthly !

48. **YEAR**–March **2024**: I have paid "50 000 Xaf" as starting advance funds for incorporating YERITH R&D SARL.

49. **YEAR**–March **2024**: ~~I am recruiting 1 commercial financial entrepreneur for YECEFOIQ~~ (LOOKING for investment funds).

50. **YEAR**–JUNE **25, 2024**: Returning client N.K hardware shop for YERITH-ERP-PGI-9.0 !

51. **YEAR–2024**: Refining automatic stock CSV data entry.

52. **YEAR**–JULY **29, 2024**: Still training "Christelle Akamba" for just 1 000 Francs an hour.
    THERE is no money outside in Yaounde; and my rental apartments are still not having renters due to LAURENT TCHANDEU that I know has been trying to disrupt my activities in the open source software (OSS) era.

53. **YEAR**–September **08, 2024**: ***I AM working on ground to perfection building YERITH.***

    THERE is lack of funding even though I could have my judicial affair against CHRISTIAN-EYOUM and others to get sent back to NDOKOTI prosecutor.

    UNFORTUNATELY attorney SYNCLAIRE-NJEUTCHA-TCHANA has been trying to disrupt my activities with some money-bribery he received from genitor–organizer of assassination of mine !!!

    I now try to get ATTORNEY-tchonang-albertine on my side these days. C.P.D.M wolfgang owona idiot political party has been trying to take down all my activities so to destroy a non-gay citizen.

54. **YEAR–2024**: Incorporating unit of measure like gram, etc. for inventory stock entry creation and pricing.

55. **YEAR–2024**: Started incorporating Financial debt entries creation in YERITH–ERP–9.0–PLATINUM.

    I am also specifying **YERITH–ERP–**9.0**–TRADING–REALTIME** for a new idea as good–physical stock exchange start–up marketplace idea.

SOFTWARE (FOSS) CREATIONS I

20.20 'VALKYRIE' upgrade to DEBIAN BULLSEYE (11.0); QT-5

VALGRIND USER INTERFACE: valkyrie (https://www.valgrind.org/downloads/guis.html)

July **2023**

1. Free open source code:
   https://www.github.com/yerothd/valkyrie_NON_OFFICIAL

'VALKYRIE' is a dynamic analysis CASE tool for veryfing memory errors, and using VALGRIND as backend program server for analysis.

21.21 CONTEXT SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM ("YERITH–SAINT")

October **2009** – March **2015**

1. Free open source code:
   https://www.github.com/sazzad114/saint

'YERITH-SAINT' is a static taint analysis that computes tainted paths in C programs and that doesn't require any program annotations. 'YERITH-SAINT' is built upon the iterative dataflow framework and has been implemented using the LLVM compiler infrastructure. 'YERITH-SAINT' is interprocedural, flow–sensitive, and developers can choose to run it either with context-sensitivity or without. THE HEARTBLEED bug (april 2014; security breach in open ssl 1.0.1f) IS A POTENTIAL FINDING OF yerith-saint.

22.22 YERITH-ERP-9.0-STANDALONE

ERP SOFTWARE SYSTEM 'YERITH-ERP-9.0-platinum'

October **2015** – Currently

1. Free open source code:
   git https://www.github.com/yerithd/yerith-erp-9-0

'YERITH-ERP-9.0-STANDALONE' is a FOSS (FREE AND OPEN SOURCE SOFTWARE) ENTERPRISE RESOURCE PLANING SOFTWARE !

23.23 YERITH-ERP-9.0-SYSTEM-DAEMON

'YERITH–ERP–9.0–SYSTEM–DAEMON': AUTOMATED ALERT, AND DB–BACKUP SYSTEM FOR 'YERITH-ERP-9.0-platinum'

October **2015** – Currently

1. Free open source code:
   git https://www.github.com/yerithd/yerith-erp-9-0-system-daemon

'YERITH-ERP-9.0-SYSTEM-DAEMON' is a FOSS (FREE AND OPEN SOURCE SOFTWARE) AUTOMATED ALERT, AND DATABASE BACKUP SYSTEM FOR FOSS–ERP YERITH-ERP-9.0-STANDALONE !

24.24 YRI_SD_RUNTIME_VERIF

'YRI_SD_RUNTIME_VERIF': **C++ Library FOR RUNTIME MONITORING (Safety Temporal Properties) FOR State Diagram MONITORING !**

June **2022** – Currently

1. Free open source code:
   git https://www.github.com/yerithd/yri_sd_runtime_verif

'YRI_SD_RUNTIME_VERIF' is a FOSS (FREE AND OPEN SOURCE SOFTWARE) C++ library, THAT ENABLES TO IMPLEMENT STATE DIAGRAM SAFETY TEMPORAL PROPERTY RUNTIME CHECKING (and/or VERIFICATION).

25.25 YRI-DB-RUNTIME-VERIF

'YRI-DB-RUNTIME-VERIF': **RUNTIME VERIFICATION OF TEMPORAL SAFETY PROPERTIES IN 'YERITH-ERP-9.0-STANDALONE'**

June **2022** – Currently

1. Free open source code:
   git https://www.github.com/yerithd/yri-db-runtime-verif
2. **YERITH–ERP–9.0 DOCTORAL COMPENDIUM:**
   https://www.zenodo.org/record/8052724/

'YRI-DB-RUNTIME-VERIF' is a FOSS (FREE AND OPEN SOURCE SOFTWARE), AND REUSABLE DYNAMIC RUNTIME ANALYSIS AND TESTING INFRASTRUCTURE created for FOSS ENTERPRISE RESOURCE PLANING SOFTWARE 'YERITH-ERP-9.0-STANDALONE' !

SOFTWARE (COMMERCIAL) CREATIONS II

26.26 YRI_QVGE

'YRI_QVGE': **Design and Creation of Runtime SAFETY TEMPORAL PROPERTIES FOR State diagram MONITORING C++ Library 'YRI_SD_RUNTIME_VERIF' !**

2,500 **Euros a single executable copy FOR DEBIAN–LINUX**
June **2022** – Currently

27.27 YERITH-ERP-9.0-STANDALONE: an enterprise (management / financial) Resource Planing Software

ERP SOFTWARE SYSTEM 'YERITH-ERP-9.0-STANDALONE: an enterprise (management / financial) Resource Planing Software'

PRICE DEPENDS ON installations ! (STARTS AT 200,000 **XAF per node–computer; ONLY AVAILABLE FOR DEBIAN–LINUX)**
October **2015** – Currently

TEACHING EXPERIENCE

MONTREAL, QC, CANADA (AUGUST 2009)

1. C++ MATRIX programming with Dr. MOHAMED RIDHA MAHFOUDHI, MBA, PhD (Financial Engineering, University of Laval, QC, Canada) as TRAINEE.

IAI CAMEROUN, YAOUNDE, CENTER, CAMEROON (OCTOBER 2015) (https://https://iaicameroun.com)

1. COMPUTER ARCHITECTURE FOR SOFTWARE ENGINEERS (anglophone section)

UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA (OCTOBER 2009 – MARCH 2015) (https://https://ece.uwaterloo.ca)

1. C++ Laboratory (LADAN TAHVILDARI, Ph.D.)
2. COMPILERS (DEREK RAYSIDE, Ph.D.)
3. COMPUTER NETWORKS (MAHESH TRIPUNITARA, Ph.D.)
4. FOUNDATIONS OF SOFTWARE ENGINEERING (IGOR IVKOVIC, Ph.D.), deceased SINCE NOVEMBER 2020
5. METHODS AND TOOLS FOR SOFTWARE ENGINEERING(IGOR IVKOVIC, Ph.D.), deceased in NOVEMBER 2020
6. PROGRAMMING FOR PERFORMANCE (Prof. Dr. Patrick Lam, Ph.D.)
7. SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE (Prof. Dr. Patrick Lam, Ph.D.)

YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE. (starting DECEMBER 25th 2023))

1. Available courses coming soon.

(GRADUATE) STUDENTS ADVISING / COUNSELING

- AMIRHOSSEIN VAKILI, Ph.D. (https://https://www.cs.uwaterloo.ca/~avakili) (COMPUTER SCIENCE, DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE, UNIVERSITY OF WATERLOO, ON, CANADA)
- DAVID DEMO NOUNDOU, BACHELOR OF SCIENCE, INFORMATION TECHNOLOGY, TECHNICAL UNIVERSITY OF HAMBURG–HARBURG, HAMBURG, GERMANY
- 2013, DIVAM JAIN, M.MATH (COMPUTER SCIENCE, UNIVERSITY OF WATERLOO, ON, CANADA)
- 2018,Dr ERIC BREFO-MENSAH, M.SC (Waterloo) (CHEMISTRY, UNIVERSITY OF WATERLOO, ON, CANADA)
- 2009, Dr. ESTHER ELIZABETH LAMBERT, M.SC (Waterloo) (GEOGRAPHY, UNIVERSITY OF WATERLOO, ON, CANADA)
- 2008, Basser (from Syria), MASc (ELECTRICAL ENGINEERING, ÉCOLE POLYTECHNIQUE DE MONTRÉAL, QC, CANADA)
- 2007, 2008, FABRICE tchoumi, MASc (ELECTRICAL ENGINEERING (AVIONICS), ÉCOLE POLYTECHNIQUE DE MONTRÉAL, QC, CANADA)
- 2014, FELIX FANG, MASc (SOFTWARE ENGINEERING, UNIVERSITY OF WATERLOO, ON, CANADA)
- 2005 – 2006, Dr. rer. nat. HASHIM CHUNPIR (MSC, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- 2004 – 2006, DR.-ING. DIPL.-INF. SERGE ACHILLE FOPOUSSI NONO, (DIPLOM–INFORMATIKER, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- 2004 – 2006, DERRICK FIEDLER (born YAPI YAPO), (DIPLOM–INFORMATIKER, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- 2004 – 2006, INES NGAKOU TEMOU, (BACHELOR OF SCIENCE, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- 2004 – 2006, DAVID KAMGA ADAMO, (DIPLOM–INFORMATIKER, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- MARCELLIN TAALY, (DIPLOM–INFORMATIKER, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- MATTHIAS (from Germany), DIPLOM–INGENIEUR (FH); INFORMATIK–INGENIEUR, UNIVERSITY OF BREMEN, BREMEN, GERMANY
- MAÏMOUNA BAMBA (from COTE–D’IVOIRE), DIPLOM–INFORMATIKERIN; COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY
- JON EYOLFSON, Ph.D. (MASc / Ph.D. (SOFTWARE ENGINEERING, UNIVERSITY OF WATERLOO, ON, CANADA)
- THÉOPHILE TCHIENTCHO, DIPLOM–INGENIEUR (FH), INFORMATION TECHNOLOGY, UNIVERSITY OF APPLIED SCIENCES, BREMEN, GERMANY

FAMILY THAT I DON'T KNOW WHEREABOUT - I

1. ~~SHANDA family as a destructive life for~~ BOTH noumbissi, and NGONGANG and whereabouts families

"SHANDA Ndjatie Dorothee, and her spouse official TONME-shanda–JEAN-claude" are the 1st persons that started destruction of my life by coming into my family with so called psychiatrist, via WOLFGANG–owona.

"OWONA wolfgang" seemed to getting married with ANGELA which is a cousin maternal of mine because HE WANTS to sell my soul to AMERICAN USA societies in the sense that HE put myself into troubles via GOVERNMENTS AGENCIES, all of them Are linked to secret services to which he belongs, as I HAVE HEARD from ANGELA myself.

Frequently, HE idiot wife says he traveled to USA, so he would talk to people that want my OPEN SOURCE entrepreneurial adventures to be stopped; GET money from them, Then organize hijacking with following agencies:

1.) Social Services; so I AM NO MORE independent in the state of biya–regime;

2.) HOSPITAL like "laquintinie", etc.

Dr.–wolfgang, which is born from MINISTER owona–joseph–deceased, And mother as daughter of MINISTER owona-Gregoire has tried to put Rosicruciary organization AMORC into my life via Angela who proposed to me to join a so called "lectorium–rosicrucae" based at external relations ministry Where WOLFGANG attends with her.

2. WAAH (anne), spouse Kemmegni, is a subject of BIYA SPOUSE !!!

This 'megere' of my grand mother mother's side; Tchuitchui–ELIZABETH;

Is obviously a devilish demon that possesses super–natural powers in dark kingdoms; Based of 3 sacred objects I have last seen in her house in Byemassi–YDE.

1. "Buffle" horns as a representation of Money–laundry–BAPHOMET–satan
2. 2 turtles carapaces in the back of the "Buffle" horns.
3. 2 portraits of girls invoking and respectively crying;

3. **"SANGO, spouse Bernadette Noundou"** IS SOMEWHAT a suspect at origin of this family tragedy !!!

This pseudo-suspect seems to want to acquire my place at KING.

Laurent tchandeu ministry plenipotentiary is a subject of itself at Batchieu–Babouantou kings places.

Obviously, every member of GRAND–FATHER noundou nuclear family is a subject to this GUJA.

4. "Victor Koliou NOUNDOU" IS A NOBODY into my life;

THIS idiot, junior brother of my deceased late father "Théodore Noumbissi" is contacting people INCLUDING "derek rayside (drayside@uwaterloo.ca)" (Already talking with other ignorant paternal unwanted uncle "Jules NTETA noundou (julesnteta@gmail.com; julesnteta@yahoo.fr" from Cameroon external research criminal agency (DGRE));

The idiot Victor presents itself as a chief of a family where I am supposed to belong with some faked official documents from uncle politician LAURENT tchandeu-IDIOT.

OFFICIAL registered document that "Victor KOLIOU NOUNDOU" refused to give a copy to myself when I asked him about, since I am the only, according to documents written by my late grand–father Michel NOUNDOU, Legitimate SUPERVISOR OF HIS left over to children and descendants, WEALTH AND MATERIAL POSSESSIONS !

"Afriland first–bank" and "Intelligentsia employee "**Jean-PAUL–yamtche**"; And CEO currently as of April 2024", A person that I really don't really know whereabouts in his genealogy or affiliation to my late grand–father; "***Jean-PAUL–yamtche***" owns a big storey house just opposite face of our main common house entrance in Babouantou idiot village !

"Afriland first–bank" and Intelligentsia MAIN CREATOR AND INSPIRATORY person; *"Dr. PAUL fokam–kammogne"*, was, according to sayings of my genitor Rose Sangnou, 1 of an intimate friend of my late father and genitor "Théodore NOUMBISSI" !

"LAURENT tchandeu and Rose Sangnou" went to a place of "CCEI–bank (former company name and source of AFRILAND FIRST–BANK)", according to "Rose Sangnou" told myself in person when I reached age 32; That they ("LAURENT Tchandeu my paternal uncle" and "Rose SANGNOU" my genitor) gave money (BRIBED) to an employee of "CCEI–BANK" where "late Théodore NOUMBISSI" owed "*4 000 000* XAF" at his death so that ***MORTGAGE ("hypothèque" in French) on his property–land*** in ***BONABERI-DLA*** **(700 m^2)** would be erased everywhere in computers and documents of former 'CCEI-bank' !

"LAURENT tchandeu and Rose Sangnou" also told me, after I had an employment interview with ***"Dr. PAUL fokam–kammogne"***; that my later genitor and father "Théodore NOUMBISSI" is the one, together with "HUGUES NTOMANI TIAKO", his business partner and soul–mate at that former ancient time, THAT computerized totally all enterprises businesses of "CCEI–bank (former company name and source of AFRILAND FIRST–BANK)" !

I remember seeing my late father only 1 time in a day, around 19 : 00 at diner time; this is before we moved to Yaounde in year 1990; After he quits "CA–CORP (Computer Associates Corporation)–DLA" to open and manage solely "CA–CORP (Computer Associates Corporation)–YDE" !

5. "LAURENT tchandeu (ltchandeu@yahoo.fr)" ASSASSINATES in an hospital "THEODORE noumbissi"; late father of mine on January 1992;

AS an orphan at age of 7.5 years old, I remember uncle paternal Laurent came into our biggest house in YDE–Essos to settle in the secondary apartment at the back of our house.

6. "LAURENT tchandeu" Tries with "Hugues Ntomani Tiako" "VIA judith ngaleu in Etobicoke (Toronto, Ontario, Canada)" to crash "my Toyota Corolla LE–2003" in December 2013

This sorcerer freemason ("Hugues Ntomani Tiako"), and Christian-so-called-ORTHODOX-catholic of Roma, acknowledges that IT SHALLN'T be that I gain cause in the court of justice process THAT I have against "LAQUINTINIE and SED", that sent 9 people, including "Christian Eyoum, MD, PsyD"; in February 2021 at night around 23 : 30, to hijack and attempts to kill myself.

SED sent myself 1 time in a CABANON Because they receive 15, 000 FCFA from "*Henri Bertrand Ngatchou and my genitor ROSE Sangnou*", IN douala 2018.

"Galax Yves Landry Etoga" is personally, as a CPDM political party member, AND not as a SED authority implicated in trying to kill myself through psychiatry and / or any other means !

"Laurent Tchandeu (assassin of Ingrid's father and his elder brother in Babouantou–village)" is the one that connected "Ingrid TEUNTCHOU NOUMENI", born (geboren in German) TCHITCHUI NOUMBISSI; my uterine sister, to marry officially "THE IDIOT AND PSY–CHILD since age 12 *CHANDRIAND TEUNTCHOU NOUMENI*".

7. "LAURENT tchandeu" Deems and Dares OR-DONATES to squeeze my financial money income VIA genitor of mine "Rose SANGNOU" Since September 2023 until TODAY.

8. "***JULES NTETA NOUNDOU*** *extremely dangerous person*" is a consanguine brother (same father; another, still living mother, in same marriage) of "LAURENT tchandeu"; And his helper in almost everything dirty and / or clean here in CMR!

9. **("Derek Rayside drayside@uwaterloo.ca") pays money to MATHGENEALOGY.ORG project so that an equivalence to my *"Doctor–Ph.D. of Engineering degree from UWATERLOO"*, will be turned from PhD into the non-academic degree ABD; just 2 weeks after talking with "JULES NTETA NOUNDOU" at his dirty—office in "YDE–élig–esssono"**

10. **"David demo noundou" tries to connect me to Laurent external security research agent "Jean–Daniel–tujilo-tchokote"; "VIA his natal village idiot babouantou friend Célestin puene (cpuene@cscmonavenir.ca)".**

11. **"David demo noundou" has written documents in Germany that I was mentally ill while staying 3 days in his rental apartment in September 2018.**

12. **"David demo noundou" is A student of myself at the TUHH; benjamin brother of my late father "THEODORE noumbissi"; since I could help him get an bachelor internship At "GEWETE GmBH", Where I was working while a student at Bremen University state.**

13. **"LAURENT tchandeu" was a "Minister Plenipotentiary of Cameroon Embassies in France, Belgium, etc. for around 30 years outside of Cameroon". Especially promoted sent outside Cameroon 1 year after assassinating his elder brother "THEODORE noumbissi".**

14. **"Henri Bertrand Ngatchou" tries to physically arrest and violates myself in front of at least 7 other people in his private residence of Bankepche-Bangou with no apparent reason other than humiliate myself.**

"Henri Bertrand Ngatchou" vows a personal and individual cult to 'Shanda Owona Biya', especially as an appointed, not applied CPDM (RDPC) political party, vice–president in Bankepche-Bangou; with "Honorable Datouo Theodore" as his president.

15. **"*RODRIGUE alain sienchié ngongang* (sienchie@gmail.com)", Ancient psychiatric patient in Düsseldorf–Germany Sends messages everywhere So I could again be hijacked into a Cabanon–cell FOR mad-ill-people; "Xavier Noumbissi Noundou" paid in total amount 2,000 Euros to help him get back "to his paternal family NGONGANG" in Deido–Dla–CMR !**

16. **"*Théodore Wandji Ngongang, And Aurélie Kamdoum Yano his spouse* (takouengongang@yahoo.ca; ngongangtietie@yahoo.ca)", ows myself around "1 500 EUROS" since year 2005 as he fled out from Germany to emigrates into "Montréal-Côtes–des–neiges" !**

17. **"*Idiot Angéla Tchamou Shanda Wolfgang Owona (krauserminrex@gmail.com)*", a maternal cousin of mine, tries to hijack myself in buses because She deems being a very important personality ("VIP") in front of myself.**

"HER spouse Dr Wolfgang Junior Fernand Owona" was making her ("Angéla Tchamou Shanda Owona") come to myself and harassed me with: "Wolfgang wants to be president of the republic" !

This idiot of Wolfgang is the grandson mother side of "Grégoire Owona", who was implicated in the sudden death of his former colleague "Theodore Noumbissi (Late father of mine)".

"Grégoire Owona" is today inviting "my remaining genitor Rose SANGNOU" to his village houses in "Gomedzap–Center–Region–CMR"; so to think her How to destroy my life as a black and renowned scientist universally from the University of Waterloo; THIS in conjunction with former uni colleagues such as "Dr. PATRICK lam"; etc. "Grégoire Owona" –

For 2 days now (November 8, 2024.); my profile is down at MATHGENEALOGY.ORG project; And at same time I felt several people trying to hijack my person here in Cameroon because a certain "#PASTOR–landry ENTERS MY PERSONAL HOME WITH A WEAPON."

In cameroon, as I have heard from people in background, CRIMINAL-ASSASSIN FROM yves-galax-landry Wear name PASTOR.

Derek Rayside has put back a vietnamese idiot on my file at MATHGENEALOGY.ORG project so that I cannot be upwell in Cameroon.

My official university of waterloo graduate transcripts says:
"Program: Engineering Doctoral;
"PhD" Comprehensive Examination.
Status: Completed
Date Completed: 12/20/2011
In good english: "Doctor–Ph.D. of Engineering ("PhD" in Electrical & Computer Engineering)".
In french language: Docteur–Ingénieur (Dr.–Ing.).

IT means I must also have *Ph.D*. exactly as My former room colleague Jon Eyolfson that is since 2022 an Assistant Professor in Teaching only at the University of Toronto, ON.

18. *"S2TBED main proprietor–ally A SO-called gangster–Simplice–KAMENI was seen 2 days ago here in a luxurious car by myself.*

"IMMEDIATELY, today, ***"/Friday–Sep.–27th, & Saturday–Sep.-28th/***, both days in year 2024, I and neighborhood start again to experience energy supply disruption for more than 4 hours.""

SIMPLICE KAMENI seems to be a cocaine dealer that works on laundering money through usage of wood processing & wood sale activities via intermediary White-racist-extremist—italian so-called "MARCO".

ALSO, I could experience certain "neggers" working there from far–north cameroun coming along my foot way to dance kind of like I am their aid.

KAMENI simplice is also implicated in financing together with my cousin culprit-theodore-MOISE-tebiwo-yamkam my properties entirely in Cameroon; Starting year 2013 when TEBIWO-yamkam-moise traveled to Canada.

BOTH moise-yamkam-tebiwo, and SIMPLICE-kameni-ebacka; are sleeping in so-called orgy-sexist-FRANCK-biya gay personal property estate here in YAOUNDE.

19. "*HONORÉ WOUCHE, a genitor of mine Spouse;* ", EVENTHOUGH her cousin uterin, as hijacker into my life.

"THIShonore–wouche has been calling me on my phone cell while I was a doctor of Engineering working on my doctoral Ph.D. degree in year 2013; GIVEN TO HIM BY ROSE sangnou."

HONORÉ WOUCHE has lost already at least two wives he got kids with them as a guja.

HIS uterine cousin "Rodrigue Alain NGONGANG SIENCHIE", that tried to break my neck last August 2024 while I was attending home for 4 weeks and visiting faked "church Chapelle De la GLOIRE–DE–CHRIST by FAKED–devilish–racist–bassa pastor–so–called MARK–DJENG-DJENG";

Said to myself in front of honore–wouche that: 'SEND "xavier–noundou–ph.d." Again to MAD–person cell at "laquintinie" AS you did twice at least; I didn't even knew who was this gay–honore–wouche with black tattooed wrist-arm-bracelet for gangster and riders.

IT seems this cousin of my mother–genitor; together with another man-lady–cousin–uterine so called NANA; are working on molesting myself in life here in Cameroon; HE-honore-wouche told me laughing that 1 of his daughter was working in south-cameroon in farming for PAUL-biya-family.

28.28 HIJACK OF MY PRIVATELY OWNED PROPERTY BY laquintinie on FEBRUARY 2021

[r-DR. CHRISTIAN EYOUM – tALKING AT BBC–british-broadcast-corporation (https://), AND ⋆ ⋆–rotarian–⋆ ⋆ club member in douala–sawa–tribe, chief of psy staff of LAQUINTINIE HOSPITAL IN DOUALA (LITTORAL REGION, CAMEROON)], has sent in FEB. 2021, without any official document, 7 people to break into my privately owned (closed with a steel gate) house in DOUALA, so to hijack myself and terrorize me. THIS HAPPENED AT NIGHT AROUND 11:00 PM, with BERTRAND, breaking my gate seals with a weapon of some sort (BERTRAND, was the lead thief of DR. CHRISTIAN EYOUM).

THIS HIJACK OR ATTACK on my person happened just 1 day after I denounced to PRC.CM and SHANDY-SHANDY-CABINET.COM (biological father of my mother's side cousin ANGELA) a fake "BACCALAURÉAT"-DEGREE from 'ANGELA TCHAMOU SHANDA OWONA SPOUSE DR. WOLFGANG FERNAND JR. OWONA', because her sister-cousin CYNTHIA NKWOUANO told me about this: "ANGELA WENT TO CENTRAL AFRICAN REPUBLIC and received her diploma in a hotel".

I ALSO BECAME AN AGENT OF CAMEROONIAN DEFENSE AND SECURITY FORCES ON FEBRUARY 14, 2021.

DR. CHRISTIAN EYOUM after this kidnapping, held me at LAQUINTINIE HOSPITAL for poisoning me 2 weeks, AND THEN RELEASED AN OFFICIAL DOCUMENT TO MY RELATIVE ROSE SANGNOU.

ROSE SANGNOU has since been using the fake document to go meet my clients to say that I AM A PSY PATIENT AND THAT THEY SHALL NOT DEAL ANYTHING WITH MYSELF. ROSE SANGNOU also went to meet all my privately–owned real estate properties' neighbors TO DO THE SAME.

I HAVE COMPLAINT BEFORE DOUALA–NDOKOTI JURISDICTIONAL TRIBUNAL in front of JUDGE HUGUES ALAIN YAGER MABOMA SINCE FEB. 2021:

- 3 convocations have been sent by now to DR. CHRISTIAN EYOUM; he hasn't come to respond to prosecutors.
- I am now awaiting for a "MANDAT D'EMMENER" AGAINST DR. CHRISTIAN EYOUM, a form of order from judge that will bring DR. CHRISTIAN EYOUM in front of prosecutors by police force.

29.29 Kidnapping on FEB. 2023 WHILE WALKING BACK IN MY YAOUNDÉ REAL ESTATE PROPERTY

1. DR. LAURE MENGUENE MVINDI accepts to send 2 thugs-burglars on the road to kidnap myself, while I was walking on street to get back into my house, and to bring me in a cab at psychiatric hospital 'JAMOT' in YAOUNDÉ; this is requested by DOROTHÉE NDJATIÉ SHANDA, spouse pr. shanda–tonme jean–claude.
   DR. LAURE MENGUENE MVINDI is chief of psychiatry staff at psychiatric hospital 'JAMOT' in YAOUNDÉ.
   DR. LAURE MENGUENE MVINDI IS VERY WELL KNOWN IN YAOUNDÉ to say disturbing voices against BAMILEKE-TRIBE, an ethnic group of the west cameroon to which, I by birth, and not by spirit [I AM A BORN AGAIN CHRISTIAN], belong.
2. AFTER 2 WEEKS OF POISONING AND TRYING TO DESTROY MY BODY WITH DRUGS AND PILLS, a yellow clothed (level of BACHELOR OF SCIENCE) gate guard OF "HÔPITAL JAMOT" that I don't remember the name, tries to SNEAK INTO my private life by calling me on my private cell phone number [(+237) 6 52 39 69 50] every other day.
   I SAID TO HIM THAT I DON'T ENTERTAIN RELATIONSHIPS WITH PEOPLE LIKE HIM.
   PS: THIS GATE GUARD, yellow–clothed with an uniform, is of BETI–TRIBE like DR. LAURE MENGUENE MVINDI!
3. S2TBED, a so–called forestry society here in Yaoundé seems to be a secret agency against black–owned societies here in Cameroon.

30.30 Attempt to give me a psy consultation by ROSE SANGNOU's sister DR. ANNIE POKAM-KWAM

AFTER RELEASED FROM 'JAMOT', i stop taking the drugs that i was forced to intake by drink.

Knowing that this is judicial information time, I accept to talk to DR. ANNIE POKAM-KWAM, which is DOROTHÉE NDJATIÉ SHANDA and ROSE SANGNOU sister, by my own request.

My goal is at time to collect as much information as possible.

She (DR. ANNIE POKAM-KWAM) tries to convince me that i should intake psy drugs in order to be more sociable !

31.31 THREAT ON MY PERSON BY ROSE SANGNOU IN JUNE 2023

In June 2023, in its 25th week, a relative, ROSE SANGNOU, living and based in Douala for more than 60 years, comes into Yaoundé, and settle for 1 week at DOROTHÉE NDJATIÉ SHANDA's house, at her (DOROTHÉE NDJATIÉ SHANDA) invite.

ROSE SANGNOU, whom was told, no more to persecute myself, during her interrogation time at prosecutors' office in Douala-Ndokoti, starts calling me increasingly and says she is in Yaoundé because her sister (DOROTHÉE NDJATIÉ SHANDA) son, PATRICE SHANDA SANOU CABRAL, is very ill and hospitalized at Yaoundé general hospital.

ROSE SANGNOU insits that we shall meet because she is my mother. I then accept, but refused to meet up her at my private owned property in Yaoundé-Ahala-Nsimbock. We then meet up first at DOROTHÉE NDJATIÉ SHANDA house, then at supermarket 'supermarché carrefour EKIÉ' in YAOUNDÉ-ÉKIÉ.

THIS PERIOD IS judicial information investigation time, that is mostly why I accepted to meet up with her.

I NOTICE with an impression THAT my mother ROSE SANGNOU COULD HAVE BEEN BRUTALIZED ON HER LEFT KNEE. SHE SAID SHE FELT DOWN IN THE BACK OF HER SISTER'S HOUSE (DOROTHÉE NDJATIÉ SHANDA) because the maid woman SPILLED water with amidon on the floor.

AFTER FINISHING our lunch, my mother ROSE SANGNOU says I SHOULD START AGAIN TO TAKE psychiatric drugs: I IMMEDIATELY STAND UP FROM LUNCH TABLE AND RETURNS TO MY PRIVATELY OWNED PROPERTY, '**immeuble yerith**'.

32.32 MY SUSPISCIONS about real activities of pr. shanda–tonme jean–claude and his wife

SEVERAL TIMES, pr. shanda–tonme jean–claude invited myself to hotel PARFAIT GARDEN in yaoundé so that I COULD SEE HIM ACTING as managing director of expatriate US CITIZEN ELECTRICAL ENERGY COMPANY.

so i suspect pr. shanda–tonme jean–claude receives money from some big giants NORTH–AMERICAN COMPANIES, so to disrupt my activities in the free open source software (FOSS) AREA.

33.33 THREAT ON MY PERSON BY Victor Koliou Noundou IN JULY 2023

PREVIOUSLY. HÔPITAL ADLUCEM, a hospital in Douala–BONAMOUSSADI, that I went with paternal uncle Victor Koliou Noundou to threat a hyperglycemia, established with him (uncle Victor Koliou Noundou) THAT I SHOULD BE BROUGHT USING AN AMBULANCE to 'LAQUINITIE–CABANON' because Dr. MVONDO felt that I am not well behaving !

Victor Koliou Noundou, a brother of my late father Théodore Noumbissi ASKED MYSELF, relentlessly, if I still take the psychiatric drugs.

I need to note here that, WITHOUT ANY APPARENT REASON, another brother of my late father Théodore Noumbissi, Laurent Tchandeu, former minister plenipotentiary, sent A TRUCK WITH 6 firefighters to take me by force from my privately rented apartment in yaoundé, in the year 2015, SO TO BRING ME TO A PSYCHIATRIST OF 'JAMOT': Dr. Kamga.

IN FRONT OF ME, Dr. Kamga SAYS TO Laurent Tchandeu AND ROSE SANGNOU THAT HE CAN'T KEEP ME THERE AT 'JAMOT' BECAUSE I AM NOT A PSYCHIATRIC DISEASED PERSON.

Dr. Kamga ALSO MENTIONS THAT IF I GO TO COURT AGAINST HIM, HE WOULD PUT ALL TROUBLES on ROSE SANGNOU since WHAT SHE SAID TO HIM SO THAT HE SENT A FIREFIGHTER TRUCK to take myself by force from my privately rented apartment is wrong.

Laurent Tchandeu IS TRYING SINCE Théodore Noumbissi, my deceased (JANUARY 9, 1992) father (and chief of the NOUNDOU family), passed away, to sack my POSITION AS CHIEF OF THE FAMILY NOUNDOU:

- IN MAY 2023, politician GRÉGOIRE OWONA, grand-father of MY COUSIN MOTHER SIDE "ANGELA TCHAMOU SHANDA OWONA SPOUSE DR. WOLFGANG FERNAND JR. OWONA", comes with Laurent Tchandeu (and spouse DR. HENRIETTE POLA) in my village BABOUANTOU to open a primary school as gift from political party R.D.P.C (C.P.D.M).

34.34 THREAT ON MY PERSON BY Laurent Tchandeu ON AUGUST 3rd, 2023

DR. Laurent Tchandeu, a paternal uncle of mine, tries to harass myself with taking psychiatric drugs.

HE DID THIS USING TELEPHONY APPLICATION "whatsapp".´

35.35 WAITING FOR judge JUDGE HUGUES ALAIN YAGER MABOMA

JUDGE HUGUES ALAIN YAGER MABOMA SEEMS TO WANT TO destroy evidences against state hospital laquintinie since He (JUDGE HUGUES ALAIN YAGER MABOMA) hasn't call by police force DR. CHRISTIAN EYOUM to come answer allegations against him about TRYING TO KILL ME with psychiatric drugs at night after HIJACKING MY PRIVATE PROPERTY IN DOUALA-CITÉ-DES-PALMIERS !

36.36 ARMY GENDARMERIE COLONEL KÉMAJOU harasses ROSE sangnou my mother

ROSE SANGNOU, my mother, complained to myself that KÉMAJOU is calling her very frequently to tell her I (PROF. DR.–ING. DIPL.–INF. XAVIER ~~noumbissi~~ NOUNDOU) is not mentally sane since HE is doing a lot of christian cross–sign while walking on Yaoundé streets.

37.37 ARMY GENDARMERIE COLONEL KÉMAJOU destroying my life as a neighbor

A FORMER SED (SÉCRÉTARIAT D'ÉTAT À LA GENDARMERIE) retired colonel of cameroon gendarmerie, who has spying devices AT HOME TO HEAR PHONE, OR WHATSAPP conversations; MAKES CURRENT ELECTRICITY cut–off whenever I RECEIVE MONEY so I cannot cook and refrigerate my food properly.

THIS VERY POOR PERSON, both in spirit and financially; whose wife makes money out of cooking food for street workers, COULD SUCCESSFULLY intimidate people not to come attend work or anything else into my real estate properties.

COLONEL (retired) of Army Gendarmerie KÉMAJOU couldn't lie and convince people that I DON'T POSSESS A Ph.D in Computer Engineering; since his son "Jonas Kémajou" who he also in gendarmerie told me once: "Myself I also POSSESS A Ph.D QUALIFICATION WITH NO DEGREE AT HOME" !

I am wondering in Cameroon why army intermediates in civilian life and affairs; THIS DOESN'T HAPPEN usually in rich and developed countries like Germany.

This day of **Saturday November** 18, 2023; while I was talking to a computer technician neighbor named Gabriel Takoumbe, KÉMAJOU came along walking with an indigo "Garde Présidentielle (special unit of cameroon forces attached only for the President of The Republic.)" T-shirt.

COLONEL kemajou tells me HE WANTS MY PERSON NOT TO WRITE anymore on his forfeitures against myself; in front of at least 7 young men and women, saying He didn't call my genitor mother any day before.

COLONEL kemajou sect named JÉRUSALEM APOSTOLAT, sacks every public entry road to my real estate 2–storey building (unfinished yet).

Yves Landry Galax ETOGA, chief of secret services of Cameroon seems to like to try harassing competent professors of science and technology like myself. May be He works against CAMEROONIAN SKILLED ORPHANS like my humble person in JEOVAH–NISSI in heaven !

PROF. DR. RER. NAT. HABIL. JAN PELESKA and DR. PATRICK LAM have never said anything against what is happening to myself since 3 years ago; ALSO, Patrick is a member of Rotarian organization ROSICRUCIARY !

"29" November **2023**: **I HAVE RENOUNCED TO AN ATTORNEY since TCHANA NJEUTCHA Synclaire is clearly going against my personal interests !**

"03" December **2023**: **KEMAJOU and its troops that call themselves Christians ARE HARASSING PEOPLE COMING HOME.**

"04" December **2023**: **I cannot recognized Cameroon where someone high qualified by myself is permanently harassed physically by illegal neighbors like KEMAJOU gendarmerie colonel Criminal.**
KEMAJOU gendarmerie colonel tries on the street to talk to myself while I am coming back from a hardware shop.
It seems to myself that illegal neighbors religious sect "Jerusalem Apostolat" is trying to make confusion about my humble person wherever I go in my life; Kemajou gendarmerie colonel has tried around my neighborhood, with help of SECTARIAN OF JERUSALEM APOSTOLAT; to make noise that XAVIER ~~noumbissi~~ noundou IS A PSYCHIATRIC PATIENT that doesn't want to take pills !

38.38 THREAT ON MY PERSON BY ROSE SANGNOU IN JANUARY 2024

ROSE SANGNOU, despite that JUDGE HUGUES ALAIN YAGER MABOMA gave her prohibition to come to my home in Yaounde during year 2023, came by force with someone that I don't know whereabouts To my neighbor "CARINE LELE njougep tchana" To incriminate her about chairs she owns by now;

I destroyed chairs that were not in good shape last year from my humble home by throwing them away outside. It seems "CARINE LELE njougep tchana" put them in her personal home without asking myself since I just threw them away; which is normal since They don't belonged to me anymore !

"30" January **2024**: It seems my genitor mother ROSE SANGNOU went to talk to gendarmerie people so they could harass myself to go for an illegal psychiatric treatment; because while I was talking to Justice "ME. ANDRÉ Mbet" today, I saw 1 gendarmerie man came into his personal office where he also, with his wife, Owns a financial transaction center.

I immediately told Justice "ME. ANDRE Mbet" about this attitude of gendarmerie people coming inside where I perform businesses to make some kind of visual and gesture signs to owners of businesses, So they wouldn't deal with myself anymore !

"24, 25" ***April*** **2024**: 1 man wearing a talkie-walkie came across my personal road in Simbock YDE.

I went to talk to him since I was looking for a technician that didn't finish a work in my humble house. For 6 days now, this technician wasn't in my house anymore despite myself telling him to finish his work on my steel door.

I suspect again ***justice ("huissier") SHANDA-DJATIE and her spouse Pr. JEAN–CLAUDE shanda-tonme*** to harass my genitor and mother Rose SANGNOU to try to bring myself by force to a psychiatric destructive mind place.

JERUSALEM–APOSTOLAT rosicrucian sect tried to follow myself these last 2 days using the brigand 'Moise BATOMEN', and another person male, THAT i don't know whereabouts but that live behind "Carine Lele Njougep Tchana" house for at least 6 months from now backwards in time !

Just 1 month before, I was stopped from walking by to our main official road by a sectarian female of Jerusalem–APOSTOLAT. I now see that it was meant to bring myself to other roads were they don't have their own people on it, so they could hijack myself properly to bring by force to a psychiatric hospital so to try to deteriorate my physical and psy body.

39.39 SHANDA SANOU patrice cabral idiot son of Dorothée Shanda Owona passes away at age 33 (March 18, 2024)

"Dorothée Shanda Owona" who had tried to make myself sodomized "by Bertrand of Laquintinie" in Feb. 2021, illegally by police force.

SHE leaves now her son out of life after 3.5 years trying to destroy my life; Probably because she got some laundry money for this dirty task against A BORN-AGAIN–CHRISTIAN !

NONE of the people I have heard from coming back "from some kind of obituary ceremony" could even see any corpse of ATTORNEY OF LAW, deceased, Patrick Cabral SHANDA SANOU !

40.40 Dr. Annie Metiam, Spouse Eric-POKAM-WAM tries to say something illegally about my mental health publicly (May 23, 2024)

A sister of my mother and genitor ROSE SANGNOU, DR. ANNIE POKAM-KWAM, sends a RECORDED AUDIO MESSAGE via whatsapp-phone–android–application, without any request from "Rose Sangnou" and / or my person about a supposed mental health abilities report that She as GASTROENTEROLOGIST has wrote based on our investigation whatsapp call that was done in year 2023 during around the month of JUNE.

This retarded personage that was initially at "Alfred Saker School" oriented to perform Commerce AND Accounting, WITH A grade of 10.00/20 is an idiot; Not just because *she doesn't even have a "degree of Doctor of Medicine (Dr. med.)"*.

This happens unsolicited as I am having a talk together with "Rose Sangnou"; AND "PASTOR marco OF Pentecostal Christian CHURCH" ' 'chapelle de la gloire de christ" in DLA.

I AM SUSPICIOUS of this corrupt C.P.D.M aunt that has german citizenship to be from Central Intelligence Agency (CIA); hired specially to try to kill me by any means; even using sorcery.

41.41 YAGER MABOMA is an idiot of justice judge here in CMR

Since 2021, February that I have complaint for a group of harassers that came into my compound to brutalize myself in front of a so called judge of instruction from sawa tribal tribe, I STILL RECEIVE PEOPLE TRYING TO AGGRESS and Harass myself.

42.42 I–xavier–went on roads to shout That I required JUSTICE for my saved life by SYNCLAIRE NJEUTCHA TCHANA

- *Wednesday 28th of JUNE 2024:*

  Synclaire NJEUTCHA TCHANA was sodomized both physically and mentally to release myself as a client, So I will go in front of a judge without the initial attorney I have chosen myself.

  I went to road "in AHALA–simbock" to shout at populace that I MUST HAVE JUSTICE DONE against people who broke my gate in the night of FEBRUARY 2023 to kill me with psy–drugs involuntarily.

  Politics is going on thoroughly because the year 2025 must released a president of the republic of cameroon !

43.43 YAGER MABOMA has sent my documents to Attorney–prosecutor

- *SATURDAY 31th of AUGUST 2024:*

  I hope I can finish this matter without a judge that has been sodomized by "BIYA–clique".

  "Synclaire NJEUTCHA TCHANA" said to myself on my cell phone that I sent to him at least 2 other attorneys of law so to replace him; Which is FALSE.

  "Synclaire NJEUTCHA TCHANA" has received money from PAUL-biya.

  ""Tchonang albertine" is now the person I asked for, for assistance."

  "I received this name and contact from my friend and customer "HAPPINESS POTENTIAL SARL" based in Akwa–douala ! "

44.44 Police of AHALA – 19ème arrondissement harassing myself because of SHANDA–tonme

- *Friday* 6th *of September* 2024*:*

"*NESTOR kenfack tries to talk to my genitor and adversary ROSE–Sangnou without asking anything to myself.*"

"*ROSE-idiot sangnou went to give certain objects to "NESTOR and VALÉRIE kenfack" that are supposed to be my sole customers and friends; Without any intermingled relationship with ROSE–sangnou since I told both of them THAT I am not interested into talking with someone who has tried to kill myself.*"

"*I KNOW that it is C.P.D.M that went to give money to these burglars ("NESTOR" & "VALÉRIE") so they will try to intervene against my interests when court justice comes AS this has been the case with my personal attorney of law the culprit "SYNCLAIRE NJEUTCHA TCHANA".*"

SCIENTIFIC PRESENTATION TALKS 1

- MAY 2007; STATISTICAL TEST CASE GENERATION FOR REACTIVE SYSTEMS, MASTER'S DEGREE THESIS DEFENSE TALK, DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE (FB 3), UNIVERSITY OF BREMEN, BREMEN, GERMANY
- NOVEMBER 2010; STATICALLY VERIFYING API USAGE RULES USING TRACEMATCHES, 9th Workshop on Compiler-Driven Performance, CASCON 2010, Hilton Suites Toronto/Markham Conference Centre, MARKHAM, ONTARIO, CANADA
- DECEMBER 2011; TEMPORAL PROPERTY VERIFICATION IN PLUGIN–based SOFTWARE, PH.D. THESIS EXAMINATION COMPREHENSIVE !, DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING, UNIVERSITY OF WATERLOO, ONTARIO, CANADA
- April 2014; CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM, ECE GRAD TALK, DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING, UNIVERSITY OF WATERLOO, ONTARIO, CANADA
- JANUARY 2015; CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM, PROGRAMMING LANGUAGES SEMINAR, DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE, UNIVERSITY OF WATERLOO, ONTARIO, CANADA
- JANUARY 2016; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; sns cameroon ltd (Mr. DIVINE Njobati); YAOUNDE; CENTER; CAMEROON
- JANUARY 2016; YERITH–ERP–3.0–STANDALONE for commerce; best car care & services (Mr. HENRI ngatchou); DOUALA; LITTORAL; CAMEROON
- MAY 2016; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; snob bazar outlet stores (Mr. LAVOISIER); YAOUNDE; CENTER; CAMEROON
- JUNE 2016; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; expert3dev s.a.r.l (Mr. Momo); YAOUNDE; CENTER; CAMEROON
- JANUARY 2017; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE TRAINING COMMERCIAL; bilingual entente bookshop (Mr. JACQUES); YAOUNDE; CENTER; CAMEROON
- JUNE 2017; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; BLACK & WHITE snack bars (Mr. TOM & Mr. AURÉLIEN iloga iloga (ecobank poste centrale yaoundé)); YAOUNDE; CENTER; CAMEROON
- SEPTEMBER 2017; YERITH–ERP–3.0–STANDALONE for COMPUTER INFORMATICS ENGINEERING TRAINING; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; IUC [Institut Universitaire de la Côte] (Mr. HYPOLITHE Tekeu); DOUALA; LITTORAL; CAMEROON
- JUNE 2018; YERITH–ERP–3.0–STANDALONE; SOFTWARE DESIGN AND INTRINSICS TALKS; Dr. SANDY beidu; Dr. ERIC brefo-mensah; WATERLOO; ON; CANADA
- SEPTEMBER 2018; YERITH–ERP–3.0–STANDALONE for CROWD FUNDING REQUEST PROPOSAL; SOFTWARE DESIGN AND INTRINSICS PRESENTATION (for "MS WINDOWS"); BAFIASOFT (Mr. CHRISTIAN rikong ngueyong); WATERLOO; ON; CANADA
- MAY 2020; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; coplatec s.a.r.l (Mr. CONSTANT Kemmogne); DOUALA; LITTORAL; CAMEROON
- JANUARY 2021; YERITH–ERP–3.0–STANDALONE for commerce and drugstore selling; SOFTWARE TRAINING COMMERCIAL; pharmacy fiango lycée MAKÊPÈ (Dr. PETER Akume Ngoe); DOUALA; LITTORAL region; CAMEROON
- FEBRUARY 2021; YERITH–ERP–3.0–STANDALONE for commerce and INDUSTRIAL logistics; SOFTWARE TRAINING COMMERCIAL; bontée s.a.r.l (Ms. ARLETTE Sibeufo); DOUALA; LITTORAL region; CAMEROON
- MARCH 2021; YERITH–ERP–3.0–STANDALONE for commerce and PRODUCTION planing; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; CROQUE–MATIN (Mr. MOUSSA Saliou); DOUALA; LITTORAL region; CAMEROON
- JUNE 2021; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE TRAINING COMMERCIAL ("MS WINDOWS 2000"); elektro makêpè (Mr. ARMSTRONG); DOUALA; LITTORAL region; CAMEROON
- JULY 2021; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE TRAINING COMMERCIAL; établissement kenfack (Mr. KENFACK); DOUALA; LITTORAL region; CAMEROON
- SEPTEMBER 2021; YERITH–ERP–3.0–STANDALONE for commerce, AND client relationship management; SOFTWARE TRAINING COMMERCIAL; clinique de l'espérance (Mr. YVES Mogo); DOUALA; LITTORAL region; CAMEROON
- OCTOBER 2021; YERITH–ERP–3.0–STANDALONE for commerce, AND client relationship management; SOFTWARE TRAINING COMMERCIAL; pctb s.a.r.l (Dr. AIMÉE FRANCIS Ngadjeu Tchana); DOUALA; LITTORAL region; CAMEROON
- NOVEMBER 2021; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE TRAINING COMMERCIAL; quincailerie la confiance (Mr. AIMÉE); YAOUNDE; CENTER region; CAMEROON

- NOVEMBER 2021; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE TRAINING COMMERCIAL; quincailerie n.k. (Mr. NESTOR Kenfack); YAOUNDE; CENTER region; CAMEROON

- JANUARY 2022; YERITH–ERP–3.0–STANDALONE for commerce, AND client relationship management; SOFTWARE TRAINING COMMERCIAL; happiness potential s.a.r.l (Mr. FABRICE Siemeni); DOUALA; LITTORAL region; CAMEROON

- JANUARY 2022; YERITH–ERP–3.0–STANDALONE for commerce, AND client relationship management; SOFTWARE TRAINING COMMERCIAL; pctb s.a.r.l (Dr. AIMÉE FRANCIS Ngadjeu Tchana); DOUALA; LITTORAL region; CAMEROON

- JUNE 2022; YERITH–ERP–3.0–STANDALONE for commerce; AND networked installations; quincailerie aimée (Mr. AIMÉE); YAOUNDE; CENTER region; CAMEROON

- SEPTEMBER 2022; YERITH–ERP–3.0–STANDALONE for commerce; AND commercial financial accounting; poissonnerie plus (Mr. NESTOR Kenfack); YAOUNDE; CENTER region; CAMEROON

- May 2023; YERITH–ERP–3.0 BRIEF SCIENTIFIC AND TECHNICAL PRESENTATION; ÉCOLE POLYTECHNIQUE DE YAOUNDÉ - ENSPY (PROF. DR.-ENG. THOMAS NDIÉ DJOTIO); Yaoundé; CENTER region; CAMEROON

- August 2023; YERITH–ERP–3.0–SERVER TRAINING; happiness potential sarl (DIPL.–ING. (FH) DR. FABRICE WILFRIED SIEMENI, M.Sc); Douala; LITTORAL region; CAMEROON

- December 2023; YERITH–ERP–3.0–SERVER financial accounting SHORT PRESENTATION VIEW DEMONSTRATION; quincaillerie aimée sarl (Ms. CHRISTELLE spouse NAMEKONG, B.SC.); Yaoundé; CENTER region; CAMEROON

- May 2024; YERITH–ERP–9.0 VERY SHORT INFORMATION SESSION; happiness potential s.a.r.l (Mrs. Hecna Ngayam) ; Douala; Littoral region; CAMEROON

- May 2024; YERITH–ERP–3.0–FOSS SHORT INFORMATION SESSION FOR COMMERCE; Mr. Hilaire Yimdjo, B.Sc. in Computer Science (entrepreneur in car care and management); Douala; Littoral region; CAMEROON

- June 12, 2024; YERITH–ERP–9.0 SHORT INFORMATION SESSION FOR COMMERCE; Mr. Nestor Kenfack (entrepreneur in hardware shop and grocery store); Yaoundé; CENTER region; CAMEROON

- June 13, 2024; YERITH–ERP–9.0 Installation hardware checks; Mr. Nestor Kenfack (entrepreneur in grocery store); Yaoundé; CENTER region; CAMEROON

PUBLICATIONS – Universities (I)

April 2004 – May 2007; AGBS, UNIVERSITY OF BREMEN, BREMEN, GERMANY

1. **A SEMANTIC COMPARISON BETWEEN BÜCHI AUTOMATA AND TIMED AUTOMATA**, INDEPENDENT STUDY, UNIVERSITY OF BREMEN, GERMANY, **JANUARY** 2005, **ADVISED BY PROF. DR. RER. NAT. HABIL. JAN PELESKA.**
2. **STATISTICAL TEST CASE GENERATION FOR REACTIVE SYSTEMS**, MASTER'S DEGREE IN COMPUTER SCIENCE THESIS, UNIVERSITY OF BREMEN, **MAY** 25, 2007, **ADVISED BY PROF. DR. RER. NAT. HABIL. JAN PELESKA**, AND **PROF. DR. PHIL. NAT. ROLF DRECHSLER.**

OCTOBER 2009 – MARCH 2015; WatForm, UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA

1. *JUNIT 4 TUTORIAL* (https://www.zenodo.org/record/8052444/) , UNDERGRADUATE COURSE LECTURES NOTES 'SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE', UNIVERSITY OF WATERLOO, ONTARIO, CANADA, **OCTOBER** 31, 2009, **ADVISED BY ASSOCIATE PROFESSOR PATRICK LAM.**
2. *TEMPORAL PROPERTY VERIFICATION IN PLUGIN–BASED SOFTWARE*, PHILOSOPHY DOCTOR (PH.D.) DISSERTATION, (https://www.semanticscholar.org/paper/Temporal-Property-Verification-in-Plugin-based-Noundou/c68c2374b1dca17edab774ee8a1d09b015f29b33) UNIVERSITY OF WATERLOO, ONTARIO, CANADA, **DECEMBER** 20, 2011, **ADVISED BY ASSOCIATE PROFESSOR PATRICK LAM.**
3. *DYNAMIC TAINT ANALYSIS FOR PHP IN QUERCUS* (https://www.zenodo.org/record/8051621/) (git https://www.github.com/xnoundou/xresin-taint-analysis ; git https://www.github.com/xnoundou/xresin-taint-analysis-tests), PH.D. GRADUATE COURSE PROJECT 'program analysis of web apps', UNIVERSITY OF WATERLOO, ONTARIO, CANADA, **APRIL** 30, 2013, **ADVISED BY FULL PROFESSOR FRANK TIP.**
4. *CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM* (https://www.zenodo.org/record/8051293) , POST–DOCTORAL PH.D. GRADUATE WORK, UNIVERSITY OF WATERLOO, ONTARIO, CANADA, **MARCH** 10, 2015, **ADVISED BY ASSOCIATE PROFESSOR PATRICK LAM.**
5. *CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM TOOL USER'S GUIDE* (https://www.zenodo.org/record/8051299) , POST–DOCTORAL PH.D. GRADUATE WORK artifact, UNIVERSITY OF WATERLOO, ONTARIO, CANADA, **MARCH** 10, 2015, **ADVISED BY ASSOCIATE PROFESSOR PATRICK LAM.**

PUBLICATIONS – YERITH R&D (in English language) (II)

1. YERITH R&D BUSINESS plan in FRENCH–cameroonian language, https://www.zenodo.org/record/YRITOENTERlaterOn, RELEASE DOCUMENT COMMERCIAL TECHNICAL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **October** 16, 2024.
2. Concepts around real–time trading for physical and / or virtual stocks with software system: **YERITH–ERP–9.0–TRADING–REALTIME**, HTTPS://WWW.ZENODO.ORG/RECORD/YRITOENTERLATERON, RELEASE DOCUMENT COMMERCIAL TECHNICAL, YERITH R&D, XAVIER ~~NOUMBISSI~~ NOUNDOU, CAMEROON, **SEPTEMBER** 16, 2024.
3. **Runtime Verification Of SQL Correctness Properties with YRI–DB–RUNTIME–VERIF**, journal article in preparation, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **August** 2023.
4. **Compendium of Documents About the Design and Testing System *YERITH_QVGE* (YRI_QVGE[12.12])**, https://www.zenodo.org/record/8382027, RELEASE DOCUMENT COMMERCIAL TECHNICAL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **June** 2023.
5. **YERITH–ERP–3.0 DOCTORAL COMPENDIUM**, https://www.zenodo.org/record/8052724/, DOCTORAL COMPENDIUM, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **may** 2022.
6. **ADVANTAGES OF YERITH–ERP–9.0–platinum COMPARED TO OTHER TOP ERP SOFTWARE-SYSTEMS**, TECHNICAL REPORT, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **MARCH** 2021.
7. **INFORMATION BROCHURE OF ERP SOFTWARE-SYSTEM YERITH–ERP–9.0–platinum**, TECHNICAL REPORT, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **MARCH** 2021.
8. **IN–GROUPED PRESENTATIONS DOCUMENTS OF ERP SOFTWARE YERITH–ERP–9.0–platinum**, TECHNICAL REPORT, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **MARCH** 2021.
9. **YERITH–ERP–9.0–platinum SOFTWARE SYSTEM PRODUCT SHEET**, TECHNICAL REPORT, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **MARCH** 2021.
10. **INSTALLATION GUIDE FOR ERP SOFTWARE–SYSTEM YERITH–ERP–9.0–platinum**, https://www.zenodo.org/record/8060182/, TECHNICAL REPORT, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **MARCH** 2021.
11. **YERITH–ERP–9.0–platinum RECOMMENDED POINT–OF–SALE HARDWARE**, TECHNICAL REPORT, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **MARCH** 2021.
12. **SOFTWARE SYSTEM ARCHITECTURE OF YERITH–ERP–3.0**, TECHNICAL REPORT, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **JULY** 2022.
13. **YRI–DB–RUNTIME–VERIF: a framework for verifying SQL software correctness properties of gui software at runtime**, CONFERENCE article in submission, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **February** 2023.

PUBLICATIONS – YERITH R&D (en langue française) (III)

1. **YERITH–ERP–PGI–3.0 : Configuration MULTI–SITES (SUCCURSALES)**, https://www.archive.org/download/yerith-erp-multi-sites-base-de-donnees/YERITH-ERP_multi_sites_base_de_donnees.pdf,
Configuration MULTI–SITES (SUCCURSALES), YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **mars** 2023.

2. **RAPPORT DE TRAVAUX SUR LE PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–3.0 (années 2015–2022)**, https://www.zenodo.org/record/8051568/,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **OCTOBRE** 2022.

3. **YERITH–ERP–3.0 DOCTORAL COMPENDIUM**, https://www.zenodo.org/record/8052724/,
DOCTORAL COMPENDIUM, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MAI** 2022.

4. **BRÈVE PRÉSENTATION DU PROGICIEL DE GESTION INTÉGRÉ (PGI) YERITH–PGI–3.0**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **SEPTEMBRE** 2022.

5. **BROCHURE DE GESTION COMMERCIALE**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **OCTOBRE** 2021.

6. **AVANTAGES D'UTILISATION DE L'INFORMATIQUE POUR LA GESTION DE STOCKS**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **AVRIL** 2021.

7. **AVANTAGES DE YERITH–PGI–9.0–platinum COMPARATIVEMENT À SAGE GESCOM I7, ET À SAP BUSINESS ONE**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

8. **BROCHURE D'INFORMATION DU PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0–platinum**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

9. **DOCUMENT COMBINANT LES PRÉSENTATIONS DE YERITH–PGI–9.0–platinum**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

10. **FICHE DE DONNÉES DU PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0–platinum**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

11. **GUIDE D'INSTALLATION POUR LE PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0–platinum**, https://www.zenodo.org/record/8060217/,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

12. **GUIDE PRATIQUE DU LOGICIEL DE GESTION COMMERCIALE ET FINANCIÈRE YERITH–PGI–9.0–platinum**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

14. **MATÉRIEL INFORMATIQUE RECOMMANDÉ POUR LE POINT-DE-VENTE YERITH–PGI–9.0–platinum**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

15. **GUIDE DE L'UTILISATEUR 'MANAGER', PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0–platinum**, https://www.zenodo.org/record/8058259/,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **JUIN** 2018.

FORMER CIVIL ADDRESSES – CANADA

I HAVE LIVED AT ALL THE FOLLOWING ADDRESSES AS A CAMEROON CITIZEN, AND ADDITIONALLY as a permanent resident of canada (FROM YEAR 2005 - 2014) !

I acquired a canadian citizenship in August** 2014 **(because I couldn't fly freely into Europe without visa application as a Cameroon citizen.) !

I RENOUNCED solemnly THIS CANADIAN CITIZENSHIP, in front of judge at the "Waterloo Region Courthouse (**85 **Frederick St., Kitchener, ON N2H** 0A7**, Canada)" IN SEPTEMBER 2018 !

THE JUDGE SAID I COULD PAY FOR THE TRANSCRIPTS to be send to cameroon ambassy in Ottawa; BUT I COULDN'T AFFORD for IT !

I THEN DEFINITELY and forever ABANDONED CANADA and ONTARIO for Cameroon in September 2018 !

1. LANDLORD !
   XAVIER ~~noumbissi~~ NOUNDOU
   C/O THÉODORE NGONGANG WANDJI
   5850 RUE SOUART # 7
   H3S 2E8 MONTREAL, QC
2. LANDLORD john guldemond, anna guldemond
   XAVIER ~~noumbissi~~ NOUNDOU
   391B CHURCHILL CRT
   N2L 6B4 WATERLOO, ON
3. LANDLORD mike
   XAVIER ~~noumbissi~~ NOUNDOU
   186 CORRIE CRESCENT
   N2L 5W4 WATERLOO, ON
4. LANDLORD Northview Fund
   XAVIER ~~noumbissi~~ NOUNDOU
   457 ALBERT STREET, APT 16
   N2L 5A7 WATERLOO, ON
5. LANDLORD !
   XAVIER ~~noumbissi~~ NOUNDOU
   88 GLENBURN DRIVE
   N2L 5K1 WATERLOO, ON
6. LANDLORD anna and spouse
   XAVIER ~~noumbissi~~ NOUNDOU
   310 HIAWATHA DRIVE
   N2L 5H5 WATERLOO, ON
7. LANDLORD anna and spouse
   AS canadian citizen; XAVIER ~~noumbissi~~ NOUNDOU
   310 HIAWATHA DRIVE
   N2L 5H5 WATERLOO, ON
8. LANDLORD erick djeuyou pokem !
   AS canadian citizen; XAVIER ~~noumbissi~~ NOUNDOU
   C/O erick djeuyou pokem
   5738A rue Hochelaga
   H1N 1W3 Montreal, QC

FORMER CIVIL ADDRESSES – GERMANY

I HAVE LIVED AT ALL THE FOLLOWING ADDRESSES AS A CAMEROON CITIZEN, AND ADDITIONALLY as a STUDENT AT THE UNIVERSITY OF BREMEN (FROM YEAR 2001 - 2007).

I HAVE BEEN WORKING AS a "software entwickler (junior)" at **SIEMENS HEALTHINEERS (OCS)** until 2009 !

1. **"UNIVERSITÄT BREMEN"**
   XAVIER ~~noumbissi~~ NOUNDOU
   C/O THÉODORE NGONGANG WANDJI
   LEOBENER STRASSE 4
   28359 BREMEN
2. **LANLORD "GEWOBA"**
   XAVIER ~~noumbissi~~ NOUNDOU
   C/O TAALY MARCELLIN
   GUSTAV–HEINEMANN-STRASSE 71
   28359 BREMEN
3. **LANLORD "GÜNTHER SPREEN"**
   XAVIER ~~noumbissi~~ NOUNDOU
   ACHTERBERGSTR. 9
   28219 BREMEN
4. **LANLORD "ULA QUERFÜRTH"**
   XAVIER ~~noumbissi~~ NOUNDOU
   MATHILDENSTR. 41
   ! NÜRNBERG

BANK ACCOUNTS

Cameroon

1. EXPRESS UNION YAOUNDE–AHALA: Savings Only Account.:
   SHE (Ms. NGONO), that I couldn't close it: I have to leave it as a dormant closed bank account.

2. AFRILAND–FIRST BANK HIPPODROME–YAOUNDE: Checking **DORMANT** Account.:
   I asked for this account to be totally closed in year 2017 with no apparent success; I don't know why.

Outside Cameroon: IN CANADA–Ontario

1. **HSBC** UPTOWN WATERLOO; EURO Savings Account.:
   I couldn't close it because I was still inside Canada: So I still need it until I definitively and forever leave NORTH AMERICA !

   So I would be glad they close it for myself, without any other mentions that is not in my favor in case I need again such an account elsewhere in the world, outside of Canada.

   CANADA WAS A DISGUSTING PLACE TO LIVE FOR ME AS A BLACK AFRICAN DESCENDANT.

REAL ESTATES POSSESSIONS

I OWN alone 2 **LAND PROPERTIES with land title certificate IN CAMEROON (**1 **in douala, and** 1 **in yaoundé)** !

1. DOUALA: **LAND TITLE CERTIFICATE nr.** 14 000**, volume** 117**, WOURI** 5**, béedi–kounghi located IN CITÉ–DES–PALMIERS_HAUTE–TENSION_BÉEDI !**
   THERE ARE THREE 3**–bedrooms APARTMENTS OF EACH around** 135 **m**^{2} **of AREA.**
   I HAVE INHERITED (JANUARY 8, 1992**) THIS LAND from late computer PROGRAMMER ANALYST THÉODORE noumbissi (born on APRIL** 01, 1956 **in OBALA, center–region), my birth–giver on planet earth !**

2. YAOUNDÉ (named IMMEUBLE YERITH): **LAND TITLE CERTIFICATE nr.** 560 792**, volume** 265**, MFOUNDI VI (6), Nsimbock–AHALA located IN Nsimbock–AHALA_FACE_ENTREE-ETOA-DERRIERE–savonnerie_NOSA !**
   THERE ARE 2 2**–bedrooms APARTMENTS OF EACH around** 105 **m**^{2} **of AREA.**
   THE GROUND LEVEL IS FINISHED; missing, because of funding, is 4 **supplemental** 2**–BEDROOMS apartments as planed from UNDERGROUND LEVEL !**
   I HAVE BOUGHT THIS LAND, IN NOVEMBER 2012 **(in front of asserted public notary ME. FRANCOIS–XAVIER MENYE ONDO), from cameroon national assembly parliament member; AND vice–president hon. THÉODORE datouo (FROM WEST–REGION; village BANGOU) !**

   ASSERTED PUBLIC NOTARY ME. FRANCOIS–XAVIER MENYE ONDO, has offices at "IMMEUBLE DU CRÉDIT FONCIER DU CAMEROUN (CFC)" !



Version du – 09 NOVEMBRE 2023 –

BRÈVE PRÉSENTATION DU PROGICIEL DE GESTION INTÉGRÉ (PGI) YEROTH–PGI–3.0

"PROF. DR. XAVIER NOUNDOU"

1 Progiciel de Gestion Intégré

Figure 1 – Une image de YEROTH–PGI–3.0.

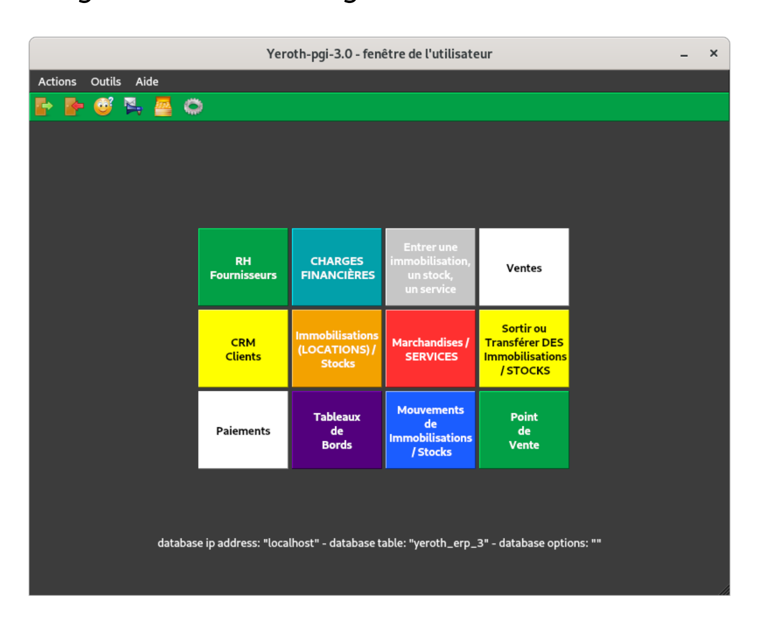
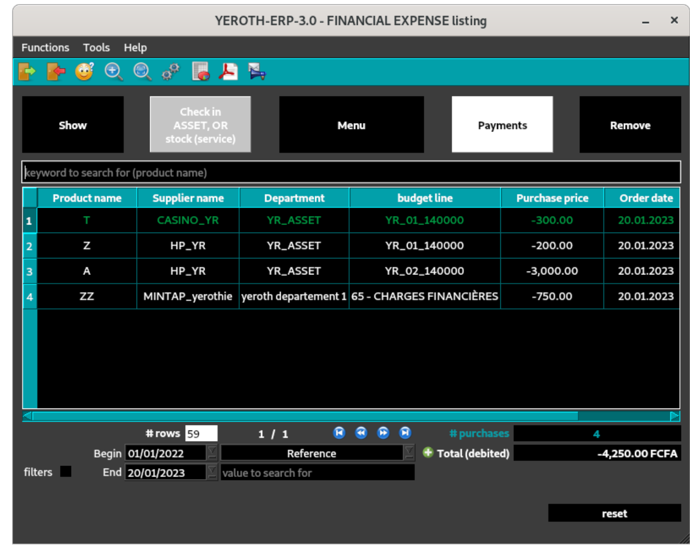


Figure 2 – DES CHARGES financières!



YEROTH–PGI–3.0 est un PROGICIEL DE GESTION INTÉGRÉ (PGI)! La figure 1 illustre une image du PGI YEROTH–PGI–3.0.

Un progiciel de gestion intégré est un **programme informatique** qui aide ses utilisateurs à réaliser des tâches suivantes :

1. enregistrer (répertorier), rechercher, etc. : des **FOURNISSEURS, CLIENTS, EMPLOYÉS, MEMBRES, etc.**.
2. **enregistrer (répertorier), rechercher**, des stocks et / ou articles (OU IMMOBILISATIONS) dans un catalogue électronique
3. **VENDRE – TRANSFÉRER – SORTIR – ETC.**, des stocks et / ou articles (OU IMMOBILISATIONS) de leur catalogue électronique d'enregistrement
4. **créer des ALERTES sur des PÉRIODES DE TEMPS, sur des QUANTITÉS**, etc.
5. **VISUALISER DES STATISTIQUES** sur des ventes, des mouvements, etc. : de stocks, d'articles (OU IMMOBILISATIONS), etc.

6. **EN RÉSUMÉ**, permettre à une personne, un groupe d'individus (incluant une famille), une entreprise commerciale, ou une entreprise de services, etc. : de **suivre sa gestion sur le PLAN DU COMMERCE ET DE LA FINANCE à l'aide de l'informatique** !

7. YEROTH−PGI−3.0 PREND EN COMPTE DES LIGNES BUDGÉTAIRES !

1.1 Droits D'accès

LES UTILISATEURS du progiciel de gestion intégré YEROTH−PGI−3.0 n'ont pas les mêmes **droits de VISUALISATIONS, ET / OU DE MANIPULATIONS DES DONNÉES** !

Par exemple, un employé ne peut pas observer ou manipuler des données spécifiques à son patron.

1.2 Régionalisation

YEROTH−PGI−3.0 est disponible dans des langues suivantes : ANGLAIS, et FRANÇAIS.

1.3 Périphériques D'utilisations

YEROTH−PGI−3.0 doit / peut utiliser des appareils afficher à la suite :



1. **L'ordinateur (OBLIGATOIRE)**



2. **L'écran (OBLIGATOIRE)**



3. Le tiroir de caisse **(FACULTATIF)**



4. L'imprimante de tickets PDV (thermique) **(FACULTATIF)**



5. Le lecteur de code barres **(FACULTATIF)**



6. 1 terminal (NC−300) à plusieurs utilisateurs **(FACULTATIF)**

1. **L'ordinateur** : CONTIENT YEROTH−PGI−3.0 et des données (catalogues d'articles, catalogues de clients, statistiques, etc.)

2. **L'écran** : POUR VISUALISER CE QUE CONTIENT L'ordinateur

3. **Le tiroir de caisse** : PERMET DE STOCKER DES BILLETS ET/OU PIÈCES D'ARGENT

4. **L'imprimante de tickets PDV (thermique) :** PEUT ÊTRE UTILISER POUR IMPRIMER DES REÇUS

5. **Le lecteur de code barres** : PERMET DE LIRE DES NUMÉROS UNIQUES INSCRIT SUR DES ARTICLES ET LES IDENTIFIANT.

6. 1 **terminal (NC−300) à plusieurs utilisateurs** : appareil numérique permettant de ré-utiliser 1 seul ordinateur "desktop" pour plusieurs utilisateurs, de façon simultanée [1].

1. "https://www.savingology.com"

YEROTH–PGI–3.0 Fiche de Données du Progiciel de Gestion Intégré (PGI)

YEROTH–PGI–3.0 est un **PGI (Progiciel de Gestion Intégré)** qui a 6 **types d'utilisateurs, et, rôles** :

1. « Administrateur »
2. « Caissier »
3. « Gestionnaire de stock »
4. « Magasinier »
5. « Manager »
6. « Vendeur ».

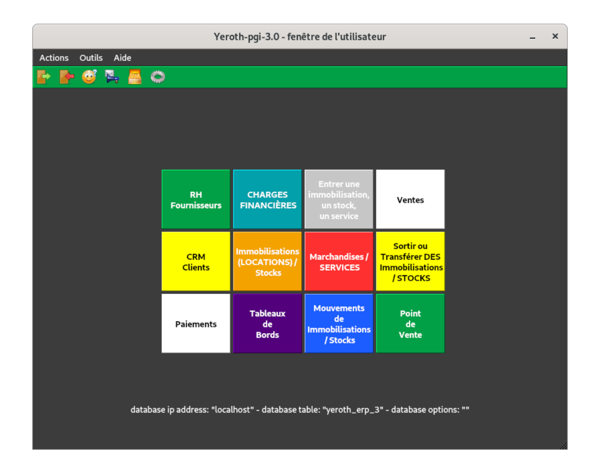
YEROTH–PGI–3.0 **a les fonctions suivantes** :

1. administration des utilisateurs, et, des rôles
2. alertes sur les quantités en stocks, et sur les périodes de temps
3. gestion des RESSOURCES HUMAINES, clients (CRM), fournisseurs, lignes budgétaires
4. gestion des stocks, DES IMMOBILISATIONS
5. gestion des ventes (locations, caisse, etc.)
6. recherche basée sur des modèles avec le caractère %
7. tableaux de bords.

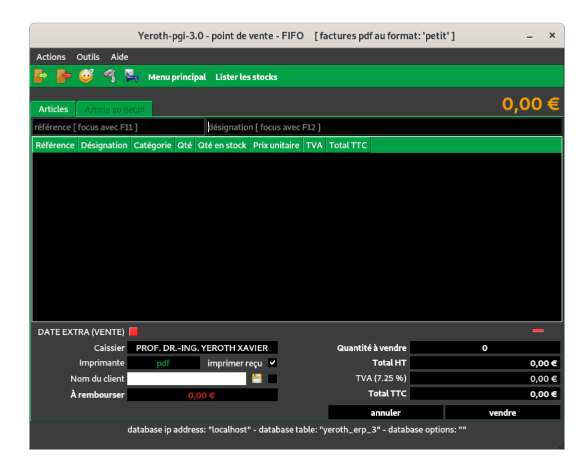
YEROTH–PGI–3.0 **est** :

1. léger, et très rapide
2. multi–sites
3. simple, et, intuitif.

Les tests d'utilisations de la mémoire sont réalisés avec l'outil **valgrind**. L'ASSURANCE QUALITÉ DU CODE SOURCE est réalisé avec L'ANALYSEUR DE CODE SOURCE **Cppcheck**.



La fenêtre d'accueil pour le « Manager »



La fenêtre d'accueil pour le « Caissier »

OPÉRATIONS

Matériels Point–de–Vente

✓ Lecteur de code–barres, etc.



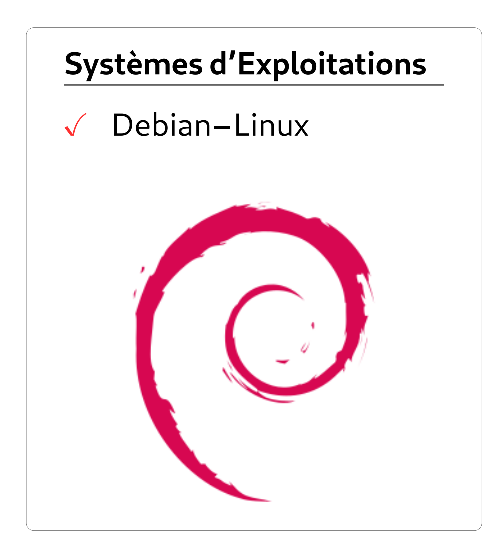
Systèmes–de–Gestion de Base–de–Données

✓ MySQL



Systèmes d'Exploitations

✓ Debian–Linux



Avantages D'utilisation de L'informatique Pour La Gestion De Stocks

YEROTH–PGI–3.0 est un Progiciel de Gestion Intégré (PGI) avantageux par rapport aux autres méthodes de gestion de stocks à cause des raisons suivantes :

1. progiciel de gestion intégré, réseau compris
2. utilisation de MySQL comme moteur de base de données.



La fiche des stocks (SOLUTION INFORMATISÉE 'YEROTH–PGI–3.0')

1 LARGE DIMENSION GÉOGRAPHIQUE

1 LARGE DIMENSION GÉOGRAPHIQUE DES BÂTIMENTS DE L'ENTREPRISE PEUT CAUSER DES PERTES DE TEMPS DANS LES DÉPLACEMENTS pour **comptabiliser des stocks**.

2 NOMBRES DE SUCCURSALES ÉLEVÉS

1 NOMBRE DE SUCCURSALES ÉLEVÉS DE L'ENTREPRISE PEUT ENTRAÎNER BEAUCOUP DE PERTES DE TEMPS pour **comptabiliser des stocks**.

3 QUANTITÉ TOTALE ÉLEVÉE D'ARTICLES À VENDRE, TRANSFÉRER

1 QUANTITÉ TOTALE ÉLEVÉE D'ARTICLES À VENDRE, ET À TRANSFÉRER PEUT ENTRAÎNER DES PERTES DE TEMPS **durant la comptabilisation des stocks**.

4 TRAVAIL SIMULTANÉ ET COORDONNÉ SUR LES DONNÉES

TRAVAILLER SIMULTANÉMENT EN GROUPE SUR LES DONNÉES DE STOCKS À VENDRE, OU À TRANSFÉRER, sans outils informatiques rend **la comptabilisation et l'affectation des états de stocks extrêmement difficile !**

Le tableau 1 illustre la complexité d'assumer efficacement des tâches de gestion de stocks **SANS OUTILS INFORMATIQUE**.

	SANS INFORMATIQUE	TABLEUR	YEROTH-PGI-3.0
large dimension géographique de l'organisation	extrêmement difficile	extrêmement difficile	facile
nombre de succursales élevé	extrêmement difficile	extrêmement difficile	facile
quantité totale élevée d'articles à vendre, transférer	extrêmement difficile	très difficile	facile
travail simultané et coordonné sur les données	extrêmement difficile	très difficile	facile

Tableau 1 – Comparaison entre YEROTH–PGI–3.0 et les autres solutions de gestion de stocks

CONCLUSION : PLUS L'ORGANISATION EST GRANDE EN ACTIVITÉS, ET EN SUPERFICIE, PLUS IL EST EXTRÊMEMENT IMPORTANT DE FAIRE USAGE D'1 PROGICIEL DE GESTION INTÉGRÉ (PGI) POUR 1 RENTABILITÉ EFFICACE !

Avantages de YEROTH–PGI–3.0 Comparativement à Sage Gescom i7, et à SAP Business One

YEROTH–PGI–3.0 est un Progiciel de Gestion Intégré (PGI) facile d'utilisation à cause de ses caractéristiques suivantes :

1. vue du logiciel dépendante du rôle de l'utilisateur
2. formation complète en au moins 2 semaines
3. interface du logiciel très facile à utiliser
4. pas de connection internet requise
5. pas de formation commerciale requise
6. pas de formation comptable requise
7. pas de formation universitaire requise.



La fiche des stocks

Le tableau 1 illustre à merveille la simplicité et l'efficacité de YEROTH–PGI–3.0, en comparaison avec les progiciels de gestion intégré "Sage Gescom i7", et "SAP Business One".

	YEROTH–PGI–3.0	Sage Gescom i7	SAP Business One
vue du logiciel dépendante du rôle	OUI	OUI	OUI
formation complète	au moins 2 semaines	au moins 2 mois	au moins 3 mois
interface du logiciel	évidente	très compliquée	très compliquée
langage dans le logiciel	usuel de tous les jours	simple	technique
formation comptable	jamais	jamais	utile
formation en marketing	jamais	utile	utile
connection internet	optionel	optionel	obligatoire

Tableau 1 – Comparaison entre YEROTH–PGI–3.0 et quelques autres progiciels de gestion intégré

OPÉRATIONS

Matériels Point–de–Vente

✓ Lecteur de code–barres, etc.



Systèmes–de–Gestion de Base–de–Données

✓ MySQL



Systèmes d'Exploitations

✓ Debian–Linux



YERITH–ERP–9.0 Point Of Sale Recommended Hardware

1 Barcode Scanner

We recommend, but not exclusively, the use of barcode scanner: **" Xfox FJ–5 USB Plug and Play Automatic Barcode Scanner "** (approx. 17 €).



Bar-code Scanner

2 Thermal Printer

ALL EPSON THERMAL PRINTERS !

We recommend, but not exclusively, the use of thermal printer: **" Epson TM T20ii Point of Sale Thermal Printer "** (approx. 100 €).



Thermal Printer

3 Cash Drawer

We recommend, but not exclusively, the use of cash drawer: **" HP QT457AT "** (approx. 90 €).



Cash Drawer

4 Touch Screen Monitor

We recommend, but not exclusively, the use of touch screen monitor: **" ASUS 15.6" LCD Monitor (VT168H) "** (approx. 155 €).



Touchscreen Monitor

5 Computer

We recommend, but not exclusively, the use of desktop computer: **" Lenovo Thinkcentre M720 Small Form Factor (SFF) "** (approx. 450 €).



Computer

6 Multi User Terminal Computer

We recommend, but not exclusively, the use of multi user terminal computer: **" NC–300 Multi User Terminal Computer"** (approx. 112 €).



Multi User Terminal Computer

√ ***PECULIARITIES IN CERTAIN COUNTRIES AND/OR REGIONS*** **USAGE OF POINT–OF–SALE (THERMAL) PRINTERS REQUIRES ALSO ACQUISITION OF A GOVERNMENT–SOLD DEVICE FOR RECORDING AND CERTIFYING ALL FINANCIAL TRANSACTIONS BETWEEN THE THERMAL PRINTERS AND/OR YERITH–ERP–9.0 (e.g.: GERMANY, CANADA, etc.).**

Table 2.1: Devices and hardware useful for YERITH−ERP−3.0.



Figure 2.1: **Computer (MANDATORY)**



Figure 2.2: **Touchscreen Monitor (MANDATORY)**



Figure 2.3: Cash Drawer **(OPTIONAL)**



Figure 2.4: "Point of Sale Thermal Printer" **(OPTIONAL)**



Figure 2.5: Bar-code Scanner **(OPTIONAL)**



Figure 2.6: 1 Network Router **(MANDATORY)**



Figure 2.7: Numeric Tablet **(OPTIONAL)**



Figure 2.8: "2 in 1 Computer" **(OPTIONAL)**



Figure 2.9: Multi User Terminal Computer **(OPTIONAL)**

Figure 2.10: Hardware components of Multi−User Terminal Computer NC−300 (at `https://www.savingology.com`): images are taken from SavingOlogy.com.

Figure 2.11: NC−300 PCI card



Figure 2.12: NC−300 terminals



YEROTH−ERP−PGI−3.0: BROCHURE DE GESTION COMMERCIALE

"PROF. DR. XAVIER NOUNDOU"

1 PARCOURS ACADÉMIQUE DE "PROF. DR. XAVIER NOUNDOU"



Figure 1: Portrait de "PROF. DR. XAVIER NOUNDOU"

"PROF. DR. XAVIER NOUNDOU" EST CHRÉTIEN ÉVANGÉLIQUE 'BORN-AGAIN (né-de-nouveau)', CAMEROUNAIS, ET NÉ LE 16 Septembre 1983 À DOUALA DANS LA RÉGION DU LITTORAL AU CAMEROON.

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      a. YEROTH−ERP−3.0: `https://github.com/yerothd/yeroth-erp-3-0`
      b. YEROTH−ERP−3.0 SYSTEM DAEMON: `https://github.com/yerothd/yeroth-erp-3-0-system-daemon`
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2 INTRODUCTION

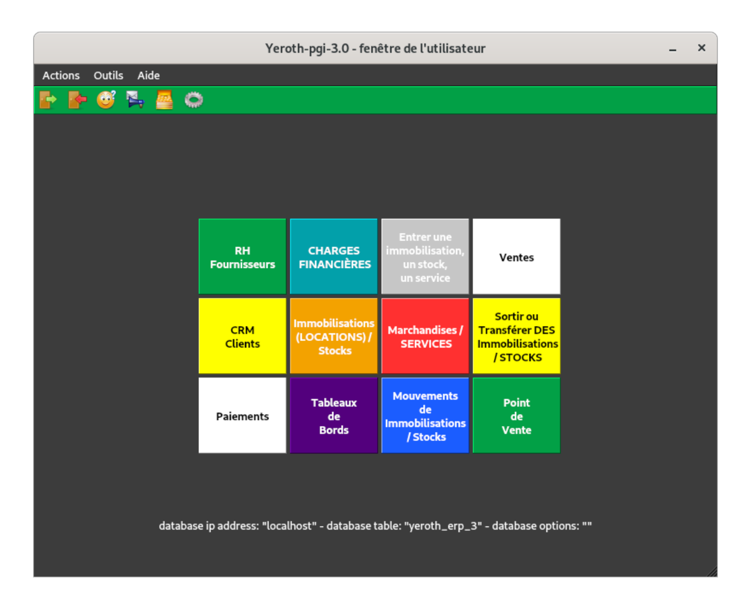


Figure 2: YEROTH−PGI−3.0

YEROTH−PGI−3.0 est 1 progiciel (système−logiciel) de gestion intégré.

Cette brochure apporte des notions élémentaires de 'marketing' nécessaires à l'utilisation de YEROTH−PGI−3.0 (son menu principal est illustré dans la figure 2).

SON UTILISATION est intuitive si vous posséder toutes les informations utiles et complètes décrites dans cette brochure de gestion commerciale.

3 NOTIONS DE BASE

3.1 ORGANISATION ENTREPRENEURIALE

1 **organisation entrepreneuriale** est 1 entité d'1 ou de plusieurs personnes qui coordonnent leurs efforts physiques ou intellectuels afin de créer des biens *matériels* ou des services.

UNE ORGANISATION ENTREPRENEURIALE PEUT ÊTRE:

1. une organisation gouvernementale
2. une organisation non gouvernementale à but non lucratif (ONG)
3. une société commerciale.

UNE ORGANISATION ENTREPRENEURIALE EST COMPOSÉ DES ENTITÉS SUIVANTES:

1. boutique (ou encore bureau)
2. dépôt (ou encore magasin).

LA CRÉATION DES BIENS *MATÉRIELS* ET DES SERVICES NÉCESSITENT L'ACHAT, LA VENTE, L'UTILISATION, OU DES MODIFICATIONS DE MARCHANDISES.

EN GESTION COMMERCIALE, IL EXISTE:

1. une **personne morale**: c'est−à−dire 1 organisation entrepreneuriale
2. une **personne physique**: c'est−à−dire 1 individu.

3.2 SERVICE

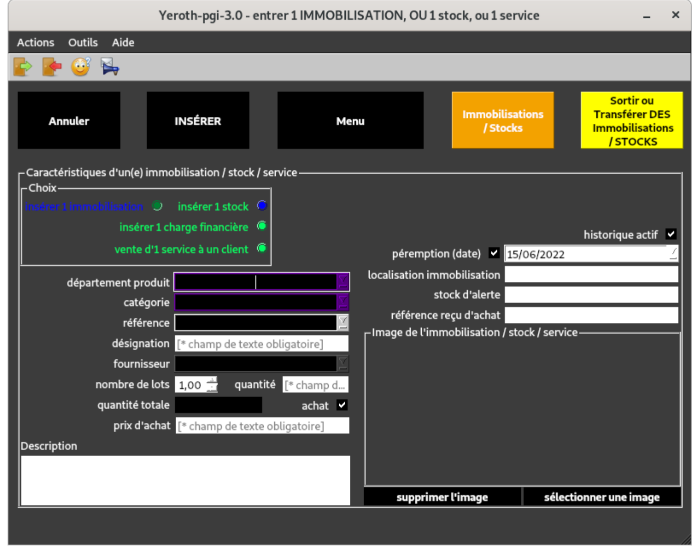


Figure 3: La fenêtre pour entrer des services/stocks dans YEROTH−PGI−3.0

1 SERVICE est 1 tâche exécutée par 1 organisation entrepreneuriale pour le bien être d'1 personne.

EXEMPLE de service: ouvrir son dossier chez 1 consultant en informatique.

3.3 MARCHANDISE

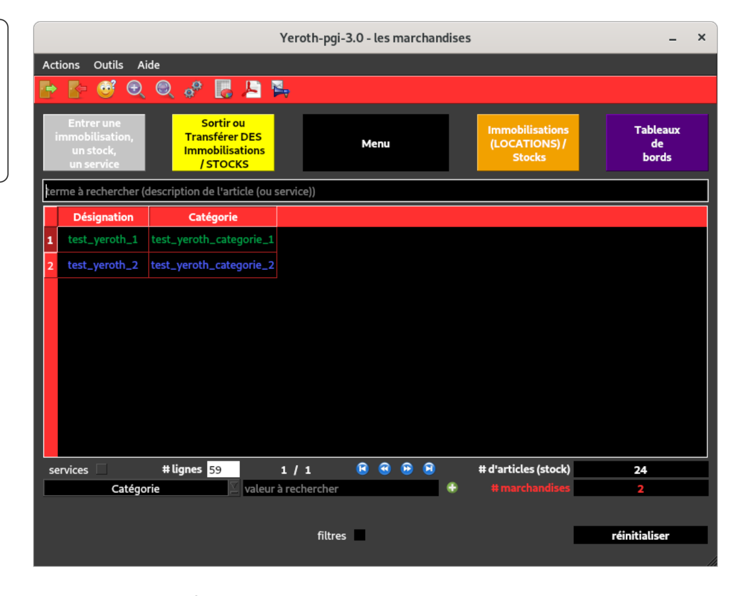


Figure 4: La fenêtre des marchandises dans YEROTH−PGI−3.0

1 **marchandise** est définit par les éléments suivants:

1. le nom du produit d'ingénierie
2. son utilité pour l'organisation la possédant

EXEMPLE de marchandise: 1 marque de boisson gazeuse produite par 1 société commerciale, et revendue par 1 organisation entrepreneuriale.

3.4 STOCK DE MARCHANDISES



Figure 5: La fenêtre des stocks dans YEROTH–PGI–3.0

> 1 **stock de marchandises** est composé de plusieurs services, ou de biens matériels, d'1 même nature, provenant d'1 même fournisseur, ayant les mêmes prix de ventes, et les mêmes prix d'achats.

1 stock de marchandises a, entre autres, les caractéristiques suivantes :

1. une désignation: le nom qui spécifie la marchandise
2. une date de péremption: la date à laquelle la marchandise est déclarée non utilisable
3. un prix d'achat: la valeur monétaire à laquelle s'est faites l'acquisition d'une unité du stock de marchandises
4. un prix de vente: la valeur monétaire à laquelle l'organisation entrepreneuriale vend une unité du stock de marchandises
5. un stock d'alerte (optionnel): quantité d'unités de marchandises pour laquelle l'organisation entrepreneuriale ré–approvisionnera son stock de marchandises.
6. une quantité: nombre d'unités de marchandises à la disposition de l'organisation entrepreneuriale.

EXEMPLE de stock marchandise: 1 organisation entrepreneuriale possède dans ses dépôts 18 bouteilles de la boisson gazeuse 'YEROTH–FRESHNESS'.

3.5 TRANSFERTS ET / OU SORTIES DE IMMOBILISATIONS (ET / OU STOCKS)

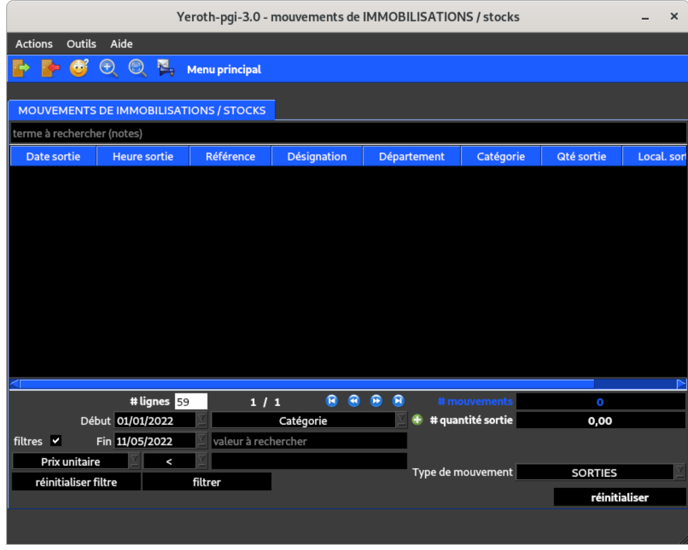


Figure 6: La fenêtre des mouvements de stocks dans YEROTH–PGI–3.0

> 1 **mouvement de stock** peut-être soit:
> a. 1 **transfert de stock** d'1 entité de l'organisation entrepreneuriale à 1 autre
> b. 1 **sortie de stock** d'1 entité de l'organisation entrepreneuriale : 1 client récupère son achat dans 1 entité de l'organisation entrepreneuriale autre que celle où il a effectué son achat.

EXEMPLE de transfert de stock: la société commerciale de recherche et développement YEROTH$_{r\&d}$ envoi 20 copies sur DVD–disque de l'ERP–PGI YEROTH–PGI–3.0 de son siège au rayon 'software' de son supermarché 'YEROTH–SUPERMARCHÉ'.

EXEMPLE de sortie de stock: le client XAVIER YEROTH de la société commerciale YEROTH$_{r\&d}$ paie '150 000 FCFA' au siège de YEROTH$_{r\&d}$ pour 1 copie de de l'ERP–PGI YEROTH–PGI–3.0; ensuite, il va retirer (sortir) 1 copie au supermarché 'YEROTH–SUPERMARCHÉ'.

3.6 FOURNISSEUR

Figure 7: fenêtre des fournisseurs dans YEROTH–PGI–3.0

1 **fournisseur** est 1 organisation entrepreneuriale qui vous donne par vente ou autres moyens des services ou des marchandises.

EXEMPLE de fournisseur: la société commerciale qui produit les boissons gazeuses que le supermarché 'YEROTH–SUPERMARCHÉ' a en vente dans ses rayons.

3.7 CHARGES FINANCIÈRES

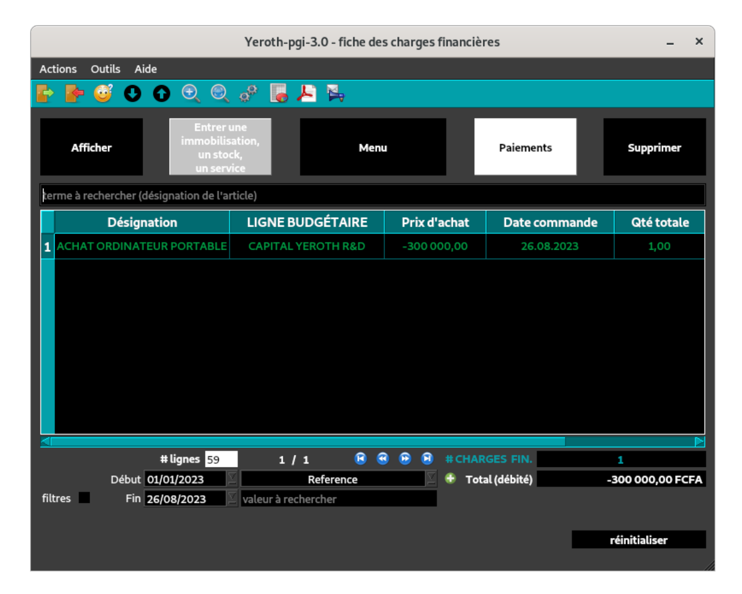


Figure 8: La fenêtre des charges financières dans YEROTH–PGI–3.0

1 **charge financière** est une sortie de monnaie (d'argent) pour le compte de l'organisation entrepreneuriale (une organisation gouvernementale, une O.N.G., ou encore une société commerciale)!

EXEMPLE de charge financière: la facture mensuelle d'électricité.

3.8 ACHATS

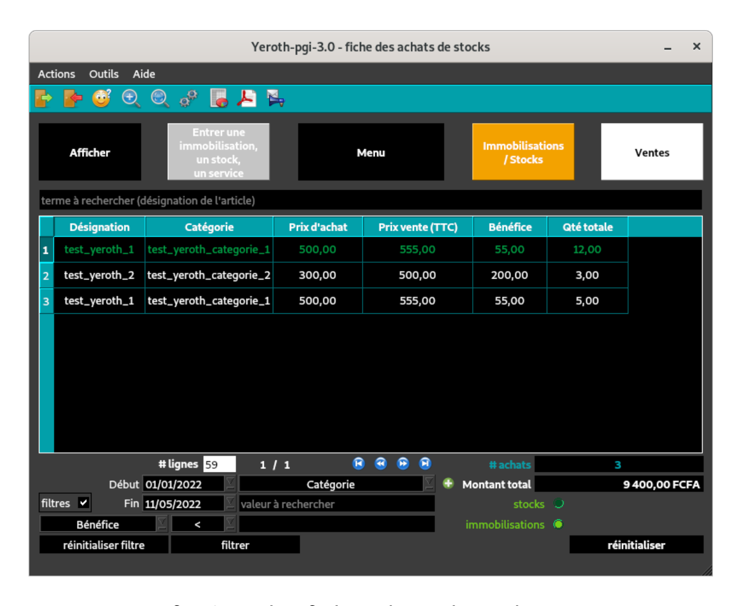


Figure 9: La fenêtre des fiches des achats dans YEROTH–PGI–3.0

CETTE FENÊTRE présente des achats enregistrés via la fenêtre des stocks (LORSQUE LE PRIX D'ACHAT D'1 ARTICLE D'1 STOCK est mentionné.

Ces achats sont soit des "IMMOBILISATIONS", soit des "STOCKS".

3.9 CLIENTÈLE

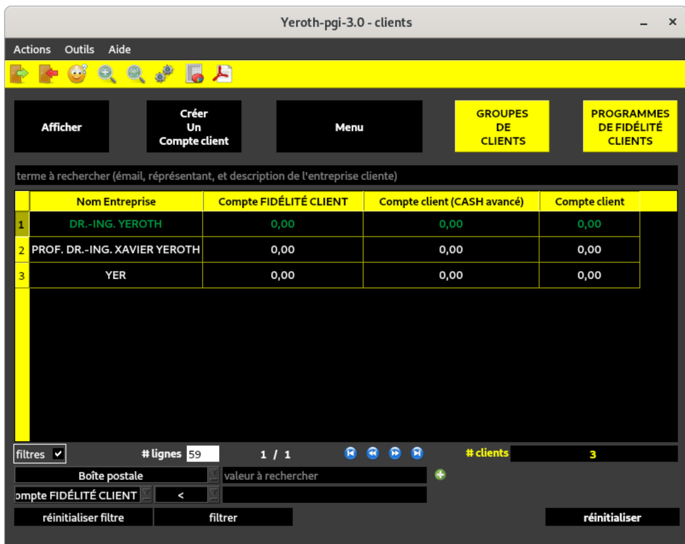


Figure 10: fenêtre de la clientèle dans YEROTH–PGI–3.0

1 **clientèle** est l'ensemble des personnes qui constitue les utilisateurs ou acheteurs des marchandises ou services d'1 organisation entrepreneuriale.

EXEMPLE de clientèle: les personnes physiques ou morales qui achètent des boissons gazeuses au supermarché 'YEROTH–SUPERMARCHÉ'.

3.10 POINT–DE–VENTE

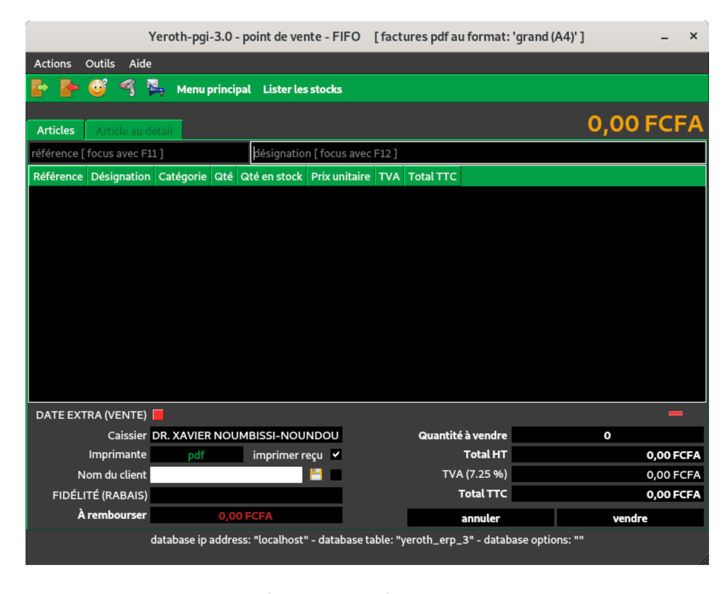


Figure 11: point–de–vente dans YEROTH–PGI–3.0

point–de–vente: lieu où s'effectue des achats de services ou de stocks de marchandises d'1 organisation entrepreneuriale.

EXEMPLE de point–de–vente: siège de la société commerciale YEROTH$_{r\&d}$ où peut se faire l'achat d'1 copie de leur progiciel de gestion intégré YEROTH–PGI–3.0.

3.11 VENTES

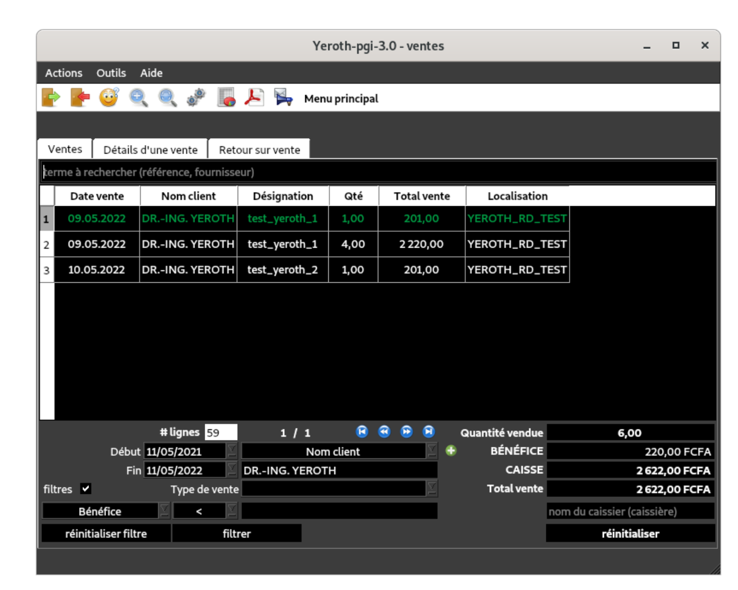


Figure 12: La fenêtre des ventes dans YEROTH–PGI–3.0

1 **vente** est:

a. 1 résultat monétaire (en argent) d'1 service effectué pour 1 client

b. 1 résultat monétaire (en argent) de la passation d'1 stock de marchandises à 1 client

EXEMPLE de vente: 1 client verse '150 000 FCFA' pour l'achat d'1 copie du progiciel de gestion intégré (PGI) YEROTH–PGI–3.0.

3.12 PAIEMENTS

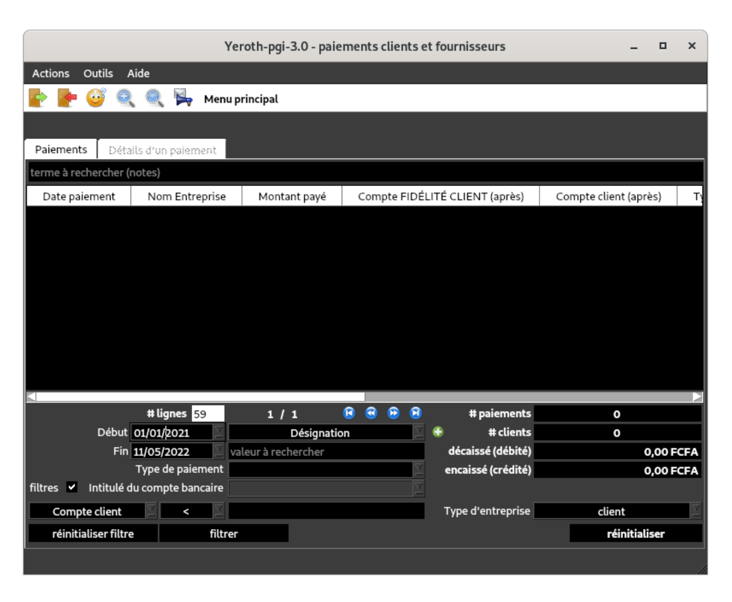


Figure 13: La fenêtre des paiements dans YEROTH–PGI–3.0

1 **paiement** est:

a. 1 **crédit (provenant du verbe créditer)**: action de déposer de la monnaie (ou argent) dans 1 compte bancaire d'1 organisation entrepreneuriale.

b. 1 **débit (provenant du verbe débiter)**: action de retirer de la monnaie (ou argent) d'1 compte bancaire d'1 organisation entrepreneuriale.

SYNONYMES DE 'CRÉDIT': entrée (argent), encaissement, versement.

SYNONYMES DE 'DÉBIT': sortie (argent), décaissement.

EXEMPLE d'encaissement (crédit): achat d'1 stock de marchandises par 1 personne physique.

EXEMPLE de décaissement (débit): achat d'1 stock de marchandises à 1 fournisseur.

3.13 TABLEAUX DE BORDS

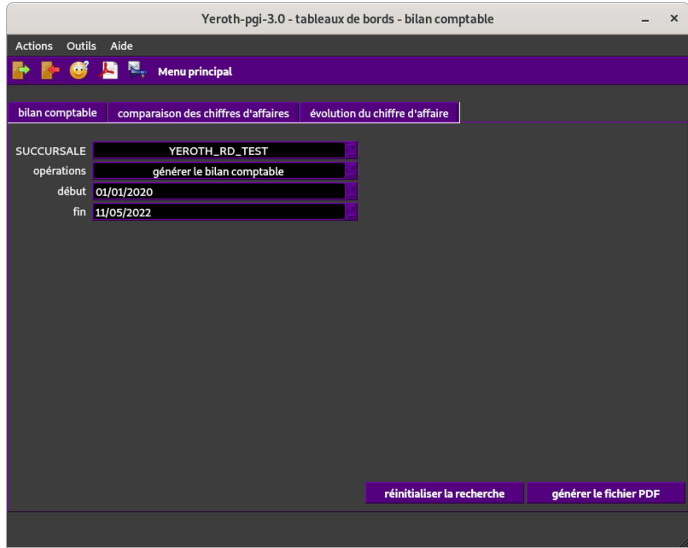


Figure 14: La fenêtre des tableaux–de–bords dans YEROTH–PGI–3.0

tableaux de bords: l'ensemble des présentations des données d'entrées et des sorties:

1. de monnaie (financières)
2. des services
3. des stocks de marchandises

qui permettent au directeur d'1 organisation entrepreneuriale de prendre des décisions pour de bons et meilleurs rendements (financier, fourniture de services, etc.) de son organisation entrepreneuriale.

EXEMPLE DE TABLEAU DE BORD: le diagramme en bandes représentant les 18 marchandises les plus vendues en terme de quantité.

3.14 CHARGES FINANCIÈRES

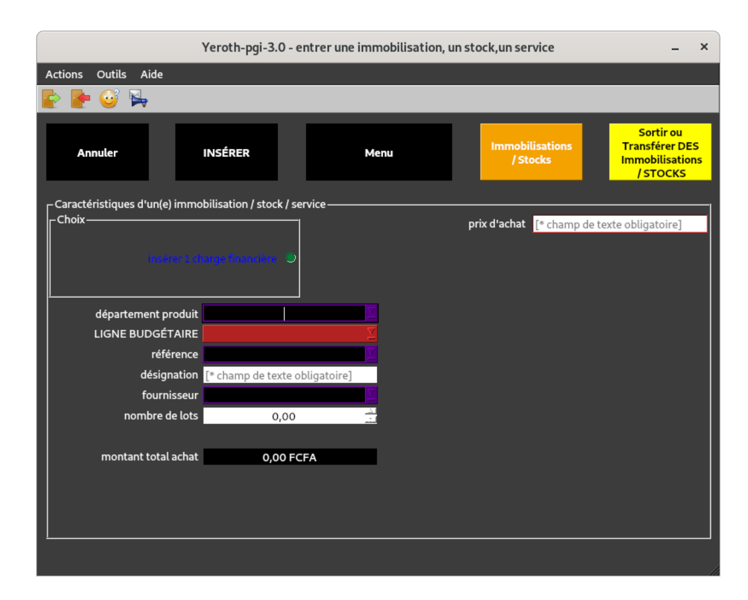


Figure 15: La fenêtre (non administrative) pour insérer 1 charge financière dans YEROTH–PGI–3.0

1 CHARGE FINANCIÈRE est le coût d'1 produit ou service DONT L'ENTREPRISE À PAYER pour s'en approprier ou s'en servir.

1 **LIGNE BUDGÉTAIRE** est 1 compte financier duquel est extorqué des argents pour les acquisitions de l'organisation entrepreneuriale.

1 ***ligne budgétaire est généralement liée à*** 1 ***compte dans*** 1 ***institution bancaire.***

LA CRÉATION D'1 CHARGE FINANCIÈRE DANS YEROTH–PGI–3.0 demande au minimum les éléments suivants:

1. 1 ***département de l'entreprise*** (ce département peut être celui d'1 stock, etc.) qui a causé la charge financière
2. 1 ***ligne budgétaire*** de laquelle provient des fonds d'argents pour le payement du produit et / ou service qui cause 1 charge financière
3. 1 ***référence*** : identification unique ALPHA–NUMÉRIQUE de cette dépense financière
4. 1 ***désignation*** (PEUT-ÊTRE À SOUHAIT LA MÊME désignation que la ***référence sus-mentionnée***: identification unique ALPHA–NUMÉRIQUE de cette dépense financière
5. 1 ***fournisseur*** : PERSONNE PHYSIQUE OU MORALE, qui fournit le produit et / ou service objet de cette charge (dépense) financière
6. 1 ***nombre de lots*** : quantité totale de produits et / ou services de cette dépense financière
7. 1 ***prix d'achat*** : masse d'argent d'1 unité (1 lot) des produits et / ou services à acquérir pour cette dépense financière.

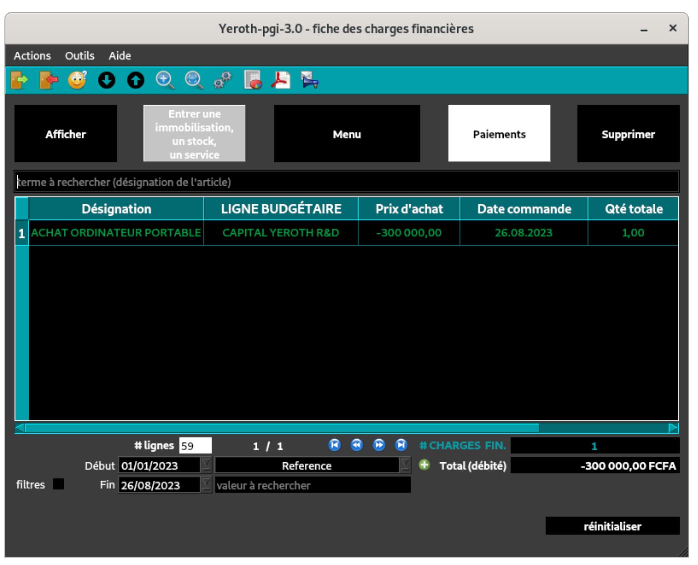


Figure 16: La fenêtre des charges financières dans YEROTH–PGI–3.0

3.15 COMPTABILITÉ

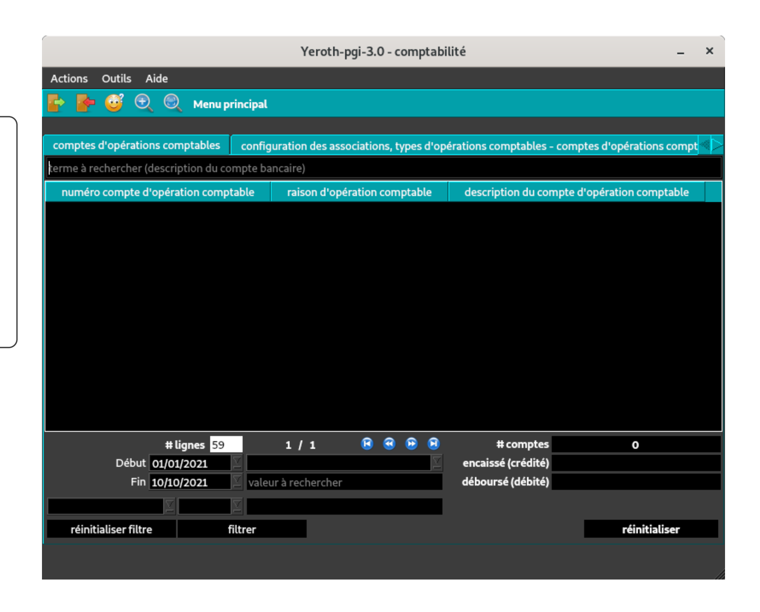


Figure 17: La fenêtre de paramétrage de la comptabilité analytique dans YEROTH−PGI−3.0

LA COMPTABILITÉ: REPRÉSENTE l'ensemble des processus et documents y afférents qui permettent de façon systématique de justifier les entrées et les sorties de monnaie (financières), des services, et des stocks de marchandises.

4 CONCLUSION

YEROTH−PGI−3.0 permet le travail simultané et coordonné sur des données de gestion commerciale et / ou FINANCIÈRE par plusieurs utilisateurs d'1 organisation entrepreneuriale.

Brochure D'information du progiciel de gestion intégré (PGI) YEROTH−PGI−3.0

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Table 1: YEROTH–PGI–3.0 TÂCHES DES UTILISATEURS selon leur RÔLES !

Tâches	« Manager »	« Vendeur »	« Gestionnaire de stock »	« Magasinier »	« Caissier »
créer 1 rayon (département)	✓				
entrer 1 immobilisation / stock / service	✓	✓ (SERVICE)	✓ (immobilisation / STOCK)		
supprimer 1 immobilisation / stock	✓				
lister les immobilisations / stocks	✓	✓	✓	✓	✓
modifier 1 immobilisation / stock	✓		✓		
transférer des immobilisations / stocks	✓		✓	✓	
sortir des immobilisations / stocks	✓		✓	✓	
modifier la stratégie de gestion des immobilisations / stocks (ex.: « FIFO », etc.)	✓	✓ (NON PERMANENT)	✓ (NON PERMANENT)		
vendre des marchandises	✓	✓			✓
accéder aux mouvements des immobilisations / stocks	✓		✓	✓	
gestion des achats	✓	✓	✓ (PARTIEL)		
gestion des FOURNISSEURS, RH	✓				
gestion des clients (CRM)	✓	✓ (PARTIEL)			
tableaux de bords	✓				
retour sur vente	✓				
accéder aux informations sur les ventes	✓	✓ (POUR SOI-MÊME)			

2 Introduction

yeroth-pgi-3.0 est un Progiciel de Gestion Intégré (PGI).

Après son installation, yeroth-pgi-3.0 est accessible à toute personne qui possède un compte d'utilisateur.

Les utilisateurs de yeroth-pgi-3.0 ont les rôles ou niveaux d'accès suivants:

1. « Administrateur »
2. « Caissier »
3. « Gestionnaire de stock »
4. « Magasinier »
5. « Manager »
6. « Vendeur ».

yeroth-pgi-3.0 permet de réaliser les tâches de gestion commerciales (Tableau 1, en fonction du rôle de l'utilisateur, comme suit:

1. créer 1 département (ex.: finance, immobilisations, stocks, etc.)
2. créer 1 rayon de vente
3. gérer des dépenses financières AVEC DES LIGNES BUDGÉTAIRES
4. manager des clients, et des fournisseurs, et des ressources humaines
5. manager des immobilisations (ex.: véhicules d'entreprise, etc.)
6. manager des stocks pour ventes
7. voir des tableaux de bords.

3 LES UTILISATIONS POTENTIELLES DE YEROTH–PGI–3.0

1. BOURSE D'ÉCHANGE DE BIENS MOBILIERS OU IMMOBILIERS. Ceci puisse être utile pour des petites communautés sans DEVISES MOBILIÈRES
2. PROGICIEL DE GESTION INTÉGRÉ POUR SUPERMARCHÉS ET COMMERCES
3. BREF, TOUTE ORGANISATION ENTREPRENEURIALE.

4 Les atouts de yeroth-pgi-3.0

1. 1 très grande stabilité de l'application
2. des utilisateurs avec des rôles bien spécifiés
3. 1 système d'alerte comportant des alertes paramétrées en fonction des quantités en stock ou des périodes de temps
4. la possibilité de générér des reçus au petit format pour des imprimantes thermiques, ou bien de générér des documents au format "A4"
5. Linux–Debian comme système d'exploitation, car très stable, performant, et moins vulnérable aux attaques des pirates informatiques en comparaison aux autres systèmes d'exploitation
6. 1 interface "ventes" qui permet au « Manager » d'avoir une vue d'ensemble des ventes (voir la Figure 2), et aussi d'effectuer des "retours sur ventes"
7. 1 interface "tableaux de bords" qui génère des rapports financiers, pour l'aide à la décision managériale du "business"

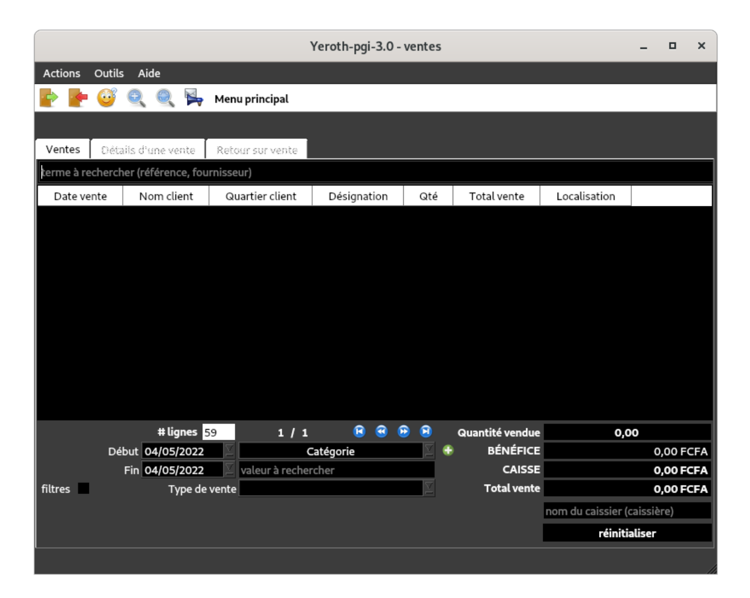


Figure 2: La fenêtre des ventes.

5 Le système d'alerte

Les utilisateurs aux rôles « Administrateur » ou « Manager » sont ceux capable de créer des alertes dans yeroth-pgi-3.0. yeroth-pgi-3.0 permet de créer des alertes pour:

1. 1 quantité d'articles restante en stock
2. 1 période de temps.

5.1 Alertes sur une quantité en stock

1 alerte sur la quantité en stock (X) d'1 produit est un message qui est généré lorsque la quantité en stock de ce produit atteint X.

Par exemple Xavier (« Manager ») crée une alerte sur le produit "mangue" qui se déclenche dès que sa quantité en stock atteint 100; 1 message est généré et envoyé à l'utilisateur Jean (« Magasinier »).

5.2 Alertes sur une période de temps

1 période de temps est définie par 1 date de début de période, et 1 date de fin de période.

1 alerte sur une période de temps pour un produit est un message qui est généré et qui reste existant dans yeroth-pgi-3.0 durant toute la durée de cette période de temps.

Par exemple, un message d'alerte doit être envoyé a l'utilisateur Paul (« Caissier ») dès que la date du 05 Mai est atteinte afin que celui-ci applique un rabais de 20% sur chaque vente de yaourt 'trèsbon' durant une période de 2 semaines.

6 Le système de gestion de base−de−données

'MariaDB' est utilisé comme système de gestion de base de données. 'MariaDB' est très stable, très performant, et source−libre.

Des copies exécutables de 'MariaDB' peuvent être accessible à très moindre coût (ex.: 0).

7 Conclusion

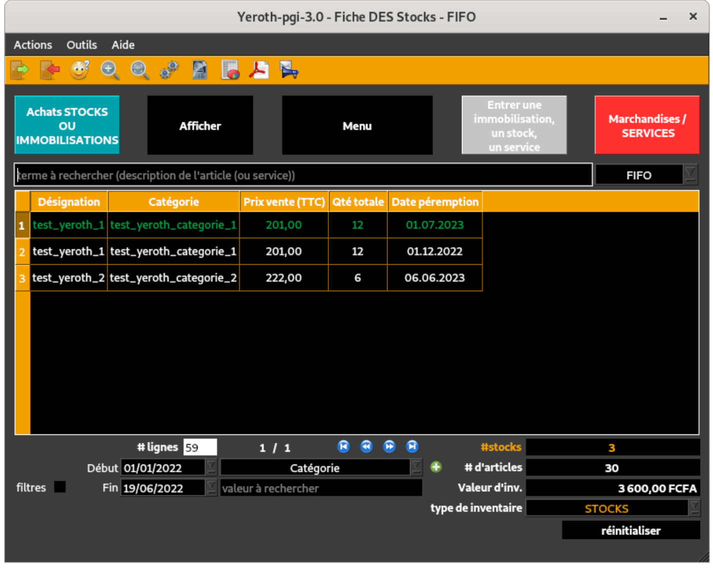


Figure 3: La fenêtre de visualisation de stocks.

La Figure 3 illustre la fenêtre de visualisation de stocks.

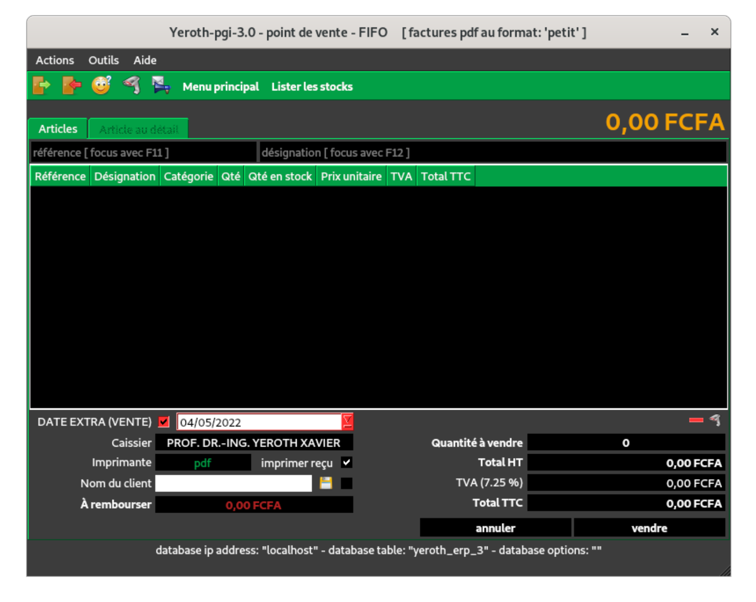


Figure 4: La fenêtre de vente.

La Figure 4 illustre la fenêtre pour faire les ventes d'articles.

yeroth-pgi-3.0 est disponible dans les langues Anglais et Français.

YEROTH−ERP−PGI−3.0 :
ESSAI DE PRODUCTIVITÉ ENTREPRENEURIALE

"PROF. DR. XAVIER NOUNDOU"

CE LIVRET ESSAIE D'EXPLICITER COMMENT 1 ENTREPRISE DÉVELOPPE SES ACTIVITÉS DE FAÇON MAXIMALE AU PLAN D'1 PRODUCTIVITÉ EFFICACE GRÂCE AU PROGICIEL DE GESTION INTÉGRÉ YEROTH−ERP−PGI−3.0.

VERSION : 10 janvier 2024

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Chapitre 1

INTRODUCTION

.

1.1 Motivations de ce LIVRET

CE LIVRET A POUR BUT D'EXPLIQUER COMMENT MAXIMISER LA PERFORMANCE D'1 ENTREPRISE GRÂCE AU PROGICIEL DE GESTION INTÉGRÉ YEROTH–ERP–PGI–3.0.

1.2 Structure De Ce LIVRET

Chapitre 2

PERFORMANCE D'1 ENTREPRISE EN AFRIQUE

Ce chapitre vise à définir la performance d'une entreprise, apporter des éléments qui spécifient cette dernière, et montrer comment déterminer et évaluer rationnellement ces éléments de performance d'entreprise à L'aide DU PROGICIEL DE GESTION INTÉGRÉ YEROTH−ERP−PGI−3.0.

2.1 Définition d'Entreprise Commerciale

Une entreprise commerciale est une entité organisationnelle qui vise à faire des gains financiers en échange de services et/ou de marchandises pour des individus ou pour d'autres entités organisationnelles.

Quelques exemples d'entreprises commerciales au Cameroun et au monde :

1. `Mercedes-Benz` (RFA [1])
2. `Walmart` (États−Unis D'Amérique)
3. `Cameroon Telecomunication (Camtel)` (Cameroun)
4. `Santa Lucia` (Cameroun)
5. `Supermarché DÔVV` (Cameroun)
6. etc.

1. République Fédérale D'Allemagne.

2.2 Sécurité Au Sein De L’entreprise

2.3 Définition De Performance

La performance est une évaluation des activités d'une entreprise commerciale aux fins de justifier si cette dernière est rentable ou plus.

Une entreprise commerciale est rentable lorsqu'elle produit des bénéfices (ou encore des surplus d'argents par rapport au Capital investit).

CAPITAL: : matériels physiques (aussi appelés IMMOBILISATIONS), et / ou sommes financières investies pour faire fonctionner l'entreprise commerciale.

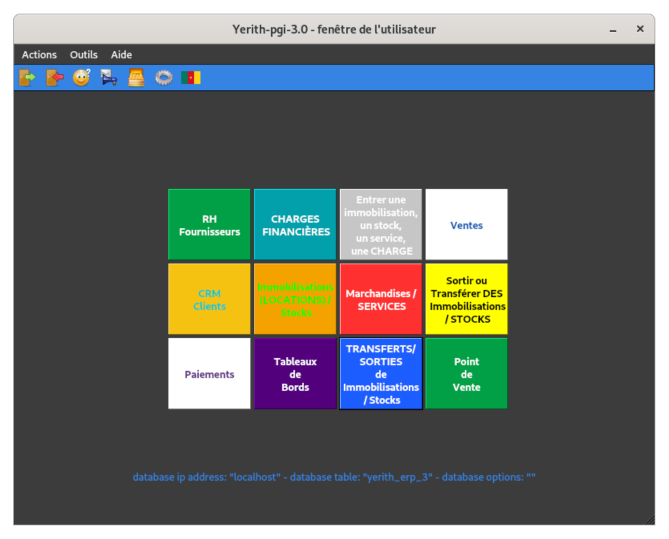
2.4 Paramètres de Concurrence

Des paramètres de concurrence sont des éléments qui influent sur l'attractivité d'1 entreprise commerciale :

1. 1 site internet (WWW : world wide web) AUX FINS DE DISTRIBUER SES INFORMATIONS COMMERCIALES ET DE SERVICES.
2. 1 accessibilité facile (ou encore dégagée)
3. 1 accessibilité propre
4. des plaques publicitaires bien visibles
5. des plaques publicitaires (ou encore rabats, ou promotions) bien visibles
6. des prémisses (ou encore infrastructures) dégagées
7. des prémisses (ou encore infrastructures) propres
8. des prémisses (ou encore infrastructures) aérées (ou encore ventilées, ou bien climatisées)
9. des prémisses (ou encore infrastructures) sentant bon
10. des prémisses (ou encore infrastructures) avec des passages et/ou allées dégagés (ou en encore non encombrés)
11. des prix clairement affichés
12. des prix à l'unité clairement affichés
13. 1 très bonne sécurité des biens, des immobilisations, et des personnes sur les prémisses (ou encore infrastructures)
14. 1 visibilité (ou encore publicité) sur le marché voulu

2.5 Paramètres de Performance

Figure 2.1 – Une image du PROGICIEL DE GESTION INTÉGRÉ (ERP en anglais) YEROTH–ERP–PGI–3.0.



Des paramètres de performance sont des éléments qui, lorsque maximaux, démontrent 1 rentabilité positive d'1 entreprise commerciale :

1. 1 site internet (WWW : world wide web) AUX FINS DE DISTRIBUER SES INFORMATIONS COMMERCIALES ET DE SERVICES.

2. 1 ***dissociation accrue et / ou élevée entre la famille de l'entrepreneur – investisseur, et ses affaires commerciales (Exception faites au niveau des actionnaires ou du TRÈS–HAUT management)***

3. 1 ***visibilité maximale et informatisée sur des transactions commerciales de l'entreprise;***

4. 1 ***Progiciel de gestion intégré simple et facile à ré-utiliser et / ou à entretenir, À TRÈS BAS COÛTS;***

Chapitre 3

Processus D'1 Entreprise En Afrique

Ce chapitre donne des canevas et / ou modèles (exemples) à partir desquels 1 organisation entrepreneuriale peut développer ses processus de fonctionnements (en anglais aussi nommés ***"BUSINESS MODEL"***).

3.1 Visions et Objectifs D'1 Organisation Entrepreneuriale

Il est primordial et très important de définir 1 vision (ou encore 1 objectif idéal; 1 but idéal à atteindre dans le monde physique et / ou matériel avant de prendre 1 décision pour la création d'1 organisation entrepreneuriale [] (ex. : S.A.R.L, START–UP; O.N.G., etc.).

Exemple de vision d'1 organisation entrepreneuriale :

— YEROTH r&d : vulgariser et simplifier l'utilisation de l'outil informatique dans la gestion des organisations entrepreneuriales du monde moderne.

— augmenter la consommation du choux vert vendu en boîte de conserve sans additifs chimiques nocifs à la santé.

— réduire les consommations de pétrole; au profit de l'énergie éolienne.

Le libellé d'1 vision et objectif entrepreneuriale devrait se limiter à 1 phrase au présent, à l'actif et non passif.

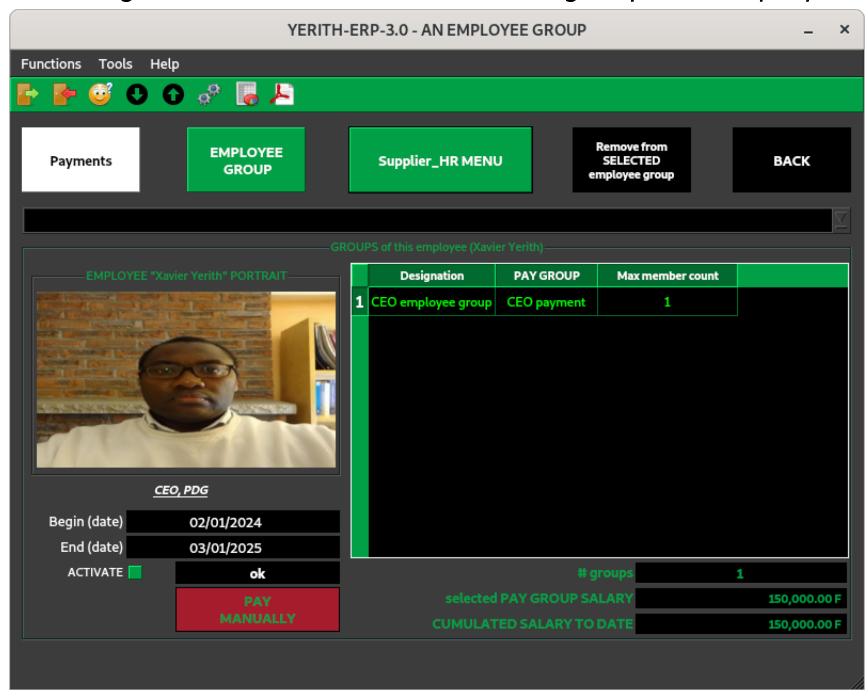
3.2 Ressources de Fonctionnements

3.2.1 Ressources Humaines

3.2.1.1 Acquisition des Ressources Humaines

3.2.1.2 Salaires et Émoluments

Figure 3.1 – Une image d'1 fenmêtre illustrative des groupes d'employés d'1 travailleur.



SALAIRE CUMULÉ D'1 EMPLOYÉ:

SALAIRE PAR GROUPE D'APPARTENANCE D'1 EMPLOYÉ:

GROUPES D'APPARTENANCE D'1 EMPLOYÉ:

GROUPE D'EMPLOYÉS:

GROUPE DE PAIE:

3.2.2 Ressources Informatiques et / ou Digitales

YEROTH–ERP–PGI–3.0

3.2.2.1 Acquisition des Ressources Informatiques et / ou Digitales

3.2.2.2 Réseau Informatique D'entreprise



1. **L'ordinateur (OBLIGATOIRE)**



2. **L'écran (OBLIGATOIRE)**



3. Le tiroir de caisse **(FACULTATIF)**



4. L'imprimante de tickets PDV (thermique) **(FACULTATIF)**



5. Le lecteur de code barres **(FACULTATIF)**



6. 1 routeur **(OBLIGATOIRE)**



7. La tablette numérique **(FACULTATIF)**



8. L'ordinateur 2 en 1 **(FACULTATIF)**



9. 1 terminal (NC–300) à plusieurs utilisateurs **(FACULTATIF)**

3.2.2.3 Maintenance Du Matériel Informatique et / ou Digital

3.2.3 Ressources Matérielles

3.2.3.1 Acquisition des Ressources Matérielles

3.3 Processus de Ventes Aux Clients

Chapitre 4

YEROTH–ERP–PGI–3.0 AU CENTRE DE LA PERFORMANCE ENTREPRENEURIALE

Ce chapitre à pour but de prouver l'efficacité de YEROTH–ERP–PGI–3.0 dans la maximisation des gains financiers d'1 entreprise commerciale et / ou organisationnelle en Afrique.

Chapitre 5

CONCLUSION

Chapitre 6

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YEROTH–ERP–PGI–3.0 : NOTIONS DE COMPTABILITÉ ET DE SYSTÈME O.H.A.D.A

"PROF. DR. XAVIER NOUNDOU"

VERSION : 10 janvier 2024

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Chapitre 1

INTRODUCTION

1.1 Motivations DE CE PAMPHLET

CE PAMPHLET A POUR BUT DE SIMPLIFIER LA REPRÉSENTATION ET COMPRÉHENSION DU SYSTÈME COMPTABLE O.H.A.D.A, UTILISÉ EN AFRIQUE FRANCOPHONE!

1.2 Structure De Ce Pamphlet

Chapitre 2

CONCLUSION

GUIDE D'INSTALLATION POUR LE PROGICIEL DE GESTION INTÉGRÉ (PGI) YEROTH−PGI−3.0

"PROF. DR. XAVIER NOUNDOU"

VERSION : 10 janvier 2024

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Chapitre 1

INTRODUCTION

1.1 Typographie

Toute les commandes dans ce guide décrite de la manière suivante :

`commande`

sont à être exécuter en tant "super utilisateur" ("utilisateur root").

1.2 HARDWARE

1.2.1 RÉSOLUTION DE L'ÉCRAN (desktop)

YEROTH−PGI−3.0 est utilisé de meilleure résolution d'écran 22 pouces et plus!

1.2.2 Mémoire vive (RAM : random access memory)

YEROTH−PGI−3.0 peut être utilisé par un ordinateur qui possède un minimum de 512 Mo de mémoire RAM (mémoire vive) sans aucun problème.

CEPENDANT, NOUS RECOMMANDONS L'UTILISATION D'ORDINATEURS AYANT UN MINIMUM DE 2 GO DE MÉMOIRE RAM.

1.3 Logiciels Prérequis

Tableau 1.1 – Logiciels requis pour l'installation de YEROTH−PGI−3.0.

Logiciels	**Versions**
`Debian`	11.1 (bullseye)
`gdebi`	$0.9.5.7 + nmu5$
`mariadb-server`	$10.5.12 - 0 + deb11u1$
`mariadb-client`	$10.5.12 - 0 + deb11u1$
`Qt`	5.15.2
`Texlive`	$2020.20210202 - 3$

1.4 Fichiers Requis pour la Procédure D'installation

Tableau 1.2 – Fichiers requis pour l'installation de YEROTH−PGI−3.0.

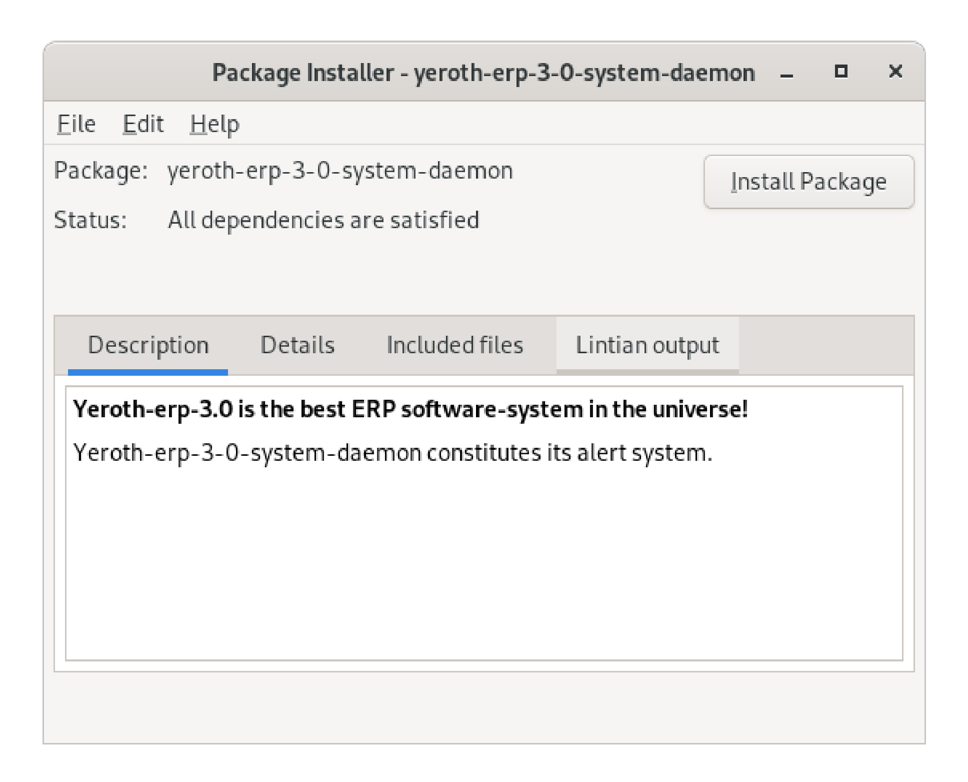
Fichiers
"yeroth-erp-3-0-standalone.deb"
"yeroth-erp-3-0-standalone-configurations-data.deb"
"yeroth-erp-3-0-system-daemon.deb"

Le tableau 1.2 illustre les fichiers requis pour l'installation de YEROTH−PGI−3.0.

Chapitre 2

INSTALLATION AUTOMATISÉE avec gdebi-gtk OU gdebi

Figure 2.1 – Interface graphique de Gdebi (Gdebi-gtk).



2.1 Installation De gdebi-gtk Et De gdebi

1. Ouvrir un terminal "bash"
2. Taper la commande suivante :

```
apt -y install gdebi-gtk gdebi
```

2.2 Installation Avec gdebi-gtk

1. Ouvrir un terminal "bash"
2. Taper la commande suivante :

```
gdebi-gtk yeroth-erp-3-0-standalone.deb
```

3. cliquez sur le bouton "Install Package"
4. répétez la commande précédente avec les fichiers "**yeroth-erp-3-0-standalone-configurations-data.deb**" et "**yeroth-erp-3-0-system-daemon.deb**" respectivement.

2.3 Installation Avec gdebi

1. Ouvrir un terminal "bash"
2. Taper la commande suivante :

```
gdebi -n yeroth-erp-3-0-standalone.deb
```

3. répétez la commande précédente avec les fichiers "**yeroth-erp-3-0-standalone-configurations-data.deb**" et "**yeroth-erp-3-0-system-daemon.deb**" respectivement.

Chapitre 3

PROCÉDURE D'INSTALLATION (manuelle) DE LA BASE–DE–DONNÉES SUR 1–DESKTOP–SERVEUR–RÉSEAU

3.1 Étapes D'installation De La Base–De–Données Sur 1–DESKTOP–SERVEUR–RÉSEAU

Il faut suivre les étapes suivantes pour obtenir une installation de la BASE–DE–DONNÉES du PGI YEROTH–PGI–3.0 sur 1–DESKTOP–SERVEUR–RÉSEAU sans problèmes :

1. installer le logiciel `mariadb-server` sur (1–DESKTOP–SERVEUR–RÉSEAU)
2. configurer le logiciel `mariadb-server` sur (1–DESKTOP–SERVEUR–RÉSEAU)
   modifier SI NÉCESSAIRE LE FICHIER '/etc/mysql/mariadb.conf.d/50-server.cnf' sur (1–DESKTOP–SERVEUR–RÉSEAU).

3.2 Installation de `mariadb-server` SUR 1–DESKTOP–SERVEUR–RÉSEAU

1. Ouvrir un terminal "bash"
2. Taper la commande suivante :

```
apt -y install mariadb-server mariadb-client
```

3.3 Modifier SI NÉCESSAIRE LE FICHIER '/etc/mysql/mariadb.conf.d/50-server.cnf'

S.V.P., BIEN VOULOIR EXÉCUTER LES CHANGEMENTS SUIVANTS SI VOUS SOUHAITER que votre base de données du pgi YEROTH–PGI–3.0 SOIT ACCESSIBLE EN RÉSEAU–LAN–WAN.

1. changer, ceci (fichier '/etc/mysql/mariadb.conf.d/50-server.cnf') 'bind-address = 127.0.0.1' à 'bind-address = YE.YF.YG.YH' où 'YE.YF.YG.YH' est l'adresse locale IP du SERVEUR DE BASE DE DONNÉES À DISTANCE

2. enfin exécuter le commande suivante, AFIN DE REDÉMARRER les serveur de base de données 'mariadb–server' :

```
service mariadb restart
```

Chapitre 4

Procédure D'installation (manuelle) Du PGI YEROTH–PGI–3.0

4.1 Étapes D'installation Du PGI YEROTH–PGI–3.0

Il faut suivre les étapes suivante pour obtenir une installation de YEROTH–PGI–3.0 qui fonctionne sans problèmes :

1. installer les logiciels `gdebi` et `expect`

2. installer enfin YEROTH–PGI–3.0 (`Qt` et `Texlive` sont installé automatiquement)

3. MODIFIER SI NÉCESSAIRE LE FICHIER DE CONFIGURATION 'yeroth–erp–3–0.properties' POUR AVOIR ACCÈS À LA BASE–DE–DONNÉES DU PGI YEROTH–PGI–3.0

4.2 Installation de gdebi et expect

1. Ouvrir un terminal "`bash`"
2. Taper la commande suivante :

```
apt -y install gdebi expect
```

4.3 Installation de Qt, Texlive, et de YEROTH–PGI–3.0

1. Ouvrir un terminal "bash"

2. ensuite entrer y la commande suivante :

   ```
   gdebi -n yeroth-erp-3-0-standalone-configurations-data.deb
   ```

3. puis :

   ```
   gdebi -n yeroth-erp-3-0-system-daemon.deb
   ```

4. FINALEMENT, EXÉCUTER LA COMMANDE :

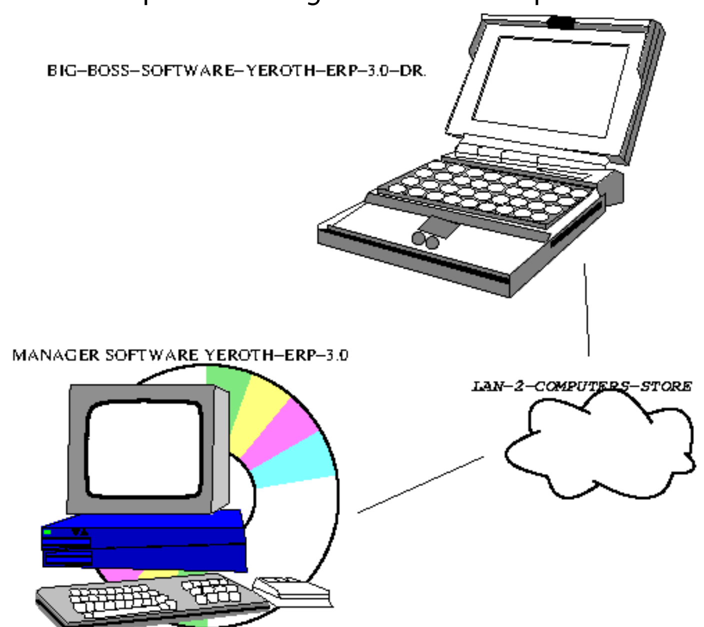
   ```
   gdebi -n yeroth-erp-3-0-standalone.deb
   ```

   Cette commande installe automatiquement Qt et Texlive.

5. Entrer le mot de passe de l'utilisateur "root" du logiciel mariadb-server lorsque cela vous sera demandé;
   Ceci est requis pour l'installation de la base de données "yeroth_erp_3".

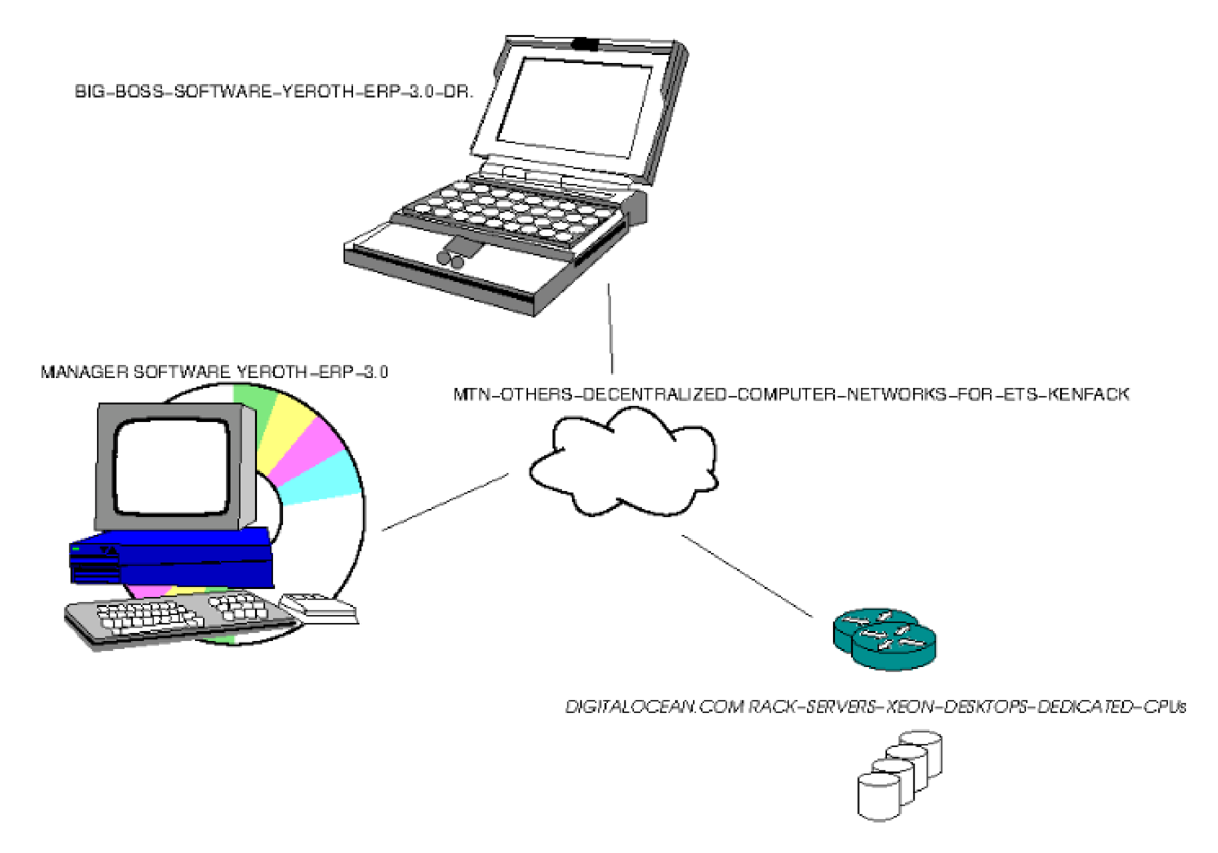
4.4 EXEMPLE de réseau de 2 ordinateurs

Figure 4.1 – Exemple de configuration réseau possédant 2 ordinateurs.



4.5 Exemple de configuration réseau multi–sites

Figure 4.2 – Exemple de configuration réseau multi–sites.



4.6 MODIFIER SI NÉCESSAIRE LE FICHIER DE CONFIGURATION 'yeroth–erp–3–0.properties' POUR AVOIR ACCÈS À LA BASE–DE–DONNÉES DU PGI YEROTH–PGI–3.0

S.V.P., BIEN VOULOIR EXÉCUTER LES CHANGEMENTS SUIVANTS SI VOUS SOUHAITER CONNECTER VOTRE INSTALLATION LOCALE DE YEROTH–PGI–3.0 À 1–SERVEUR–EN–RÉSEAU :

1. Le fichier 'YEROTH–ERP–3–0.PROPERTIES' est situé dans le disque dur de votre installation à l'URL : '/opt/yeroth–erp–3–0–standalone–configurations–data'

2. modifiez la ligne du fichier 'YEROTH–ERP–3–0.PROPERTIES' de 'db_ip_address=localhost' à 'db_ip_address=YE.YF.YG.YH' SELON QUE 'YE.YF.YG.YH' REPRÉSENTE l'adresse IP du serveur de base de données.

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Annexe A

L'utilisateur Standard (Administrateur) 'admin'

Après l'installation avec succès de YEROTH–PGI–3.0, l'application est accessible par l'utilisation d'un compte utilisateur standard avec le rôle d'administrateur en utilisant les données suivantes :

1. nom d'utilisateur : **admin**
2. mot de passe : **admin1**

Ce compte *administrateur* peut être modifié selon votre volonté.

Annexe B

COMMENT FAIRE FONCTIONNER 1 IMPRIMANTE THERMIQUE DANS 'YEROTH–PGI–3.0'

Annexe C

DES FICHIERS DE PRÉFÉRENCES POUR 1 UTILISATEUR DE 'YEROTH–PGI–3.0'

Annexe D

DES FICHIERS DE CONFIGURATIONS POUR LE PGI–ERP 'YEROTH–PGI–3.0'

Annexe E

VARIABLES D'ENVIRONNEMENTS DE 'YEROTH–PGI–3.0'

Annexe F

COMMENT DÉSINSTALLER 'YEROTH–PGI–3.0'

1. Ouvrir un terminal "bash"
2. taper la commande suivante :
```
apt -y --purge remove yeroth-erp-3-0-standalone
```
3. ensuite la commande suivante :
```
apt -y --purge remove yeroth-erp-3-0-standalone-configurations-data
```

Annexe G

COMMENT DÉSINSTALLER 'YEROTH–PGI–3.0–SYSTEM-DAEMON'

1. Ouvrir un terminal "bash"
2. Taper la commande suivante :

```
apt -y --purge remove yeroth-erp-3-0-system-daemon
```

GUIDE PRATIQUE DU LOGICIEL DE GESTION COMMERCIALE ET FINANCIÈRE YERITH−PGI−9.0

"PROGRAMME ET CODE SOURCE OUVERT ET LIBRE"

”XAVIER NOUNDOU (Pr. Prof. Dr.−Ing.)”

LES CODES SOURCES, OUVERT ET LIBRE, ET CE, DANS TOUS LES SENS DU TERME SONT LOCALISÉS AUX ADRESSES INTERNET SUIVANTES :

Ce LIVRE DE GESTION COMMERCIALE explique de manière simplistique le rôle de YERITH−PGI−9.0, et dorénavant, sera le guide pragmatique de son utilisateur.

VERSION : 8 novembre 2024

1. YERITH−PGI−9.0, code source (non exécutable) : https://wwww.github.com/yerithd/yerith-erp-9-0
2. YERITH−PGI−9.0−SYSTEM−DAEMON, code source (non exécutable) : https://wwww.github.com/yerithd/yerith-erp-9-0-system-daemon

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Chapitre 1

Introduction

Cette introduction vise à fournir aux utilisateurs de mon PROGICIEL DE GESTION INTÉGRÉ les prérequis nécessaires à son utilisation (**PARAMÉTRAGE, NAVIGATION, ET MANIPULATION DES LIENS DE L'APPLICATION YERITH–PGI–9.0 EN GÉNÉRAL!)**

1.1 MOTIVATIONS IDÉOLOGIQUES DE CE LIVRE

NOUS ÉDITONS CE LIVRE aux fins suivantes :

1. VULGARISER L'UTILISATION SIMPLISTIQUE D'1 ERP-PGI YERITH–PGI–9.0 [NOU22].

1.2 STRUCTURE DE CE LIVRE

ce livre est structuré comme suit :

1. chapitre 1 : INTRODUCTION AUX NOTIONS DE BASES, MOTIVATIONS IDÉOLOGIQUES DE CE LIVRE, éléments graphiques revues, paramétrages, et fonctions récurrentes dans YERITH–PGI–9.0.

2. chapitre 2 : TOUTE FONCTION UTILE ET RÉCURRENTE À TOUT UTILISATEUR EST TRAITÉE DANS CE CHAPITRE.

3. chapitre 3 : CE CHAPITRE DÉFINIT DES CAS USUELS D'UTILISATIONS D'1 ORGANISATION ENTREPRENEURIALE GÉNÉRIQUE. IL S'AGIT ENTRE AUTRES des créations des ressources entrepreneuriales, de leur transfert et/ou ventes, etc.

4. chapitre 4 : ce chapitre vise à démontrer que YERITH–PGI–9.0 peut être employé pour des organisations entrepreneuriales spécifiques! IL S'AGIT EN PARTICULIER D'ORGANISATIONS ENTREPRENEURIALES QUI POURVOIENT DES SERVICES!

5. chapitre 5 : **"TABLEAUX DE BORDS"** VISE À PRÉSENTER AU LECTEUR DES DIFFÉRENTES MÉTHODES POUR VISUALISER DES ACTIVITÉS COMMERCIALES (ventes, transferts, etc.) d'1 ORGANISATION ENTREPRENEURIALE DANS YERITH–PGI–9.0!

6. chapitre 6 : CONCLUSION!

1.3 NOTIONS DE BASE DE GESTION COMMERCIALE

PUISSE LE LECTEUR SE RÉFÉRER au document **'YERITH–ERP–PGI–9.0 : BROCHURE DE GESTION COMMERCIALE' [NOU21b]** pour avoir accès ***à toutes les connaissances théoriques et pratiques des sciences de gestion et/ou marketing*** utiles et/ou nécessaires à une bonne compréhension de ce livre pratique et UTILE DU pgi (progiciel de gestion intégré) YERITH–PGI–9.0 [NOU18, NOU22] !

1.4 NOTIONS DE BASE D'INFORMATIQUE DE GESTION COMMERCIALE

PUISSE LE LECTEUR SE RÉFÉRER aux documents suivants pour avoir accès à ***des connaissances de bases et pratiques en informatique de gestion commerciale*** :

1) **YERITH–ERP–PGI–9.0 : DOCUMENT COMBINANT LES PRÉSENTATIONS DE YERITH–PGI–9.0 [NOU21c]**
2) **GUIDE D'INSTALLATION POUR LE PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0 [NOU21a]**.

1.5 NOTIONS DE BASE DE COMPTABILITÉ ET SYSTÈME OHADA

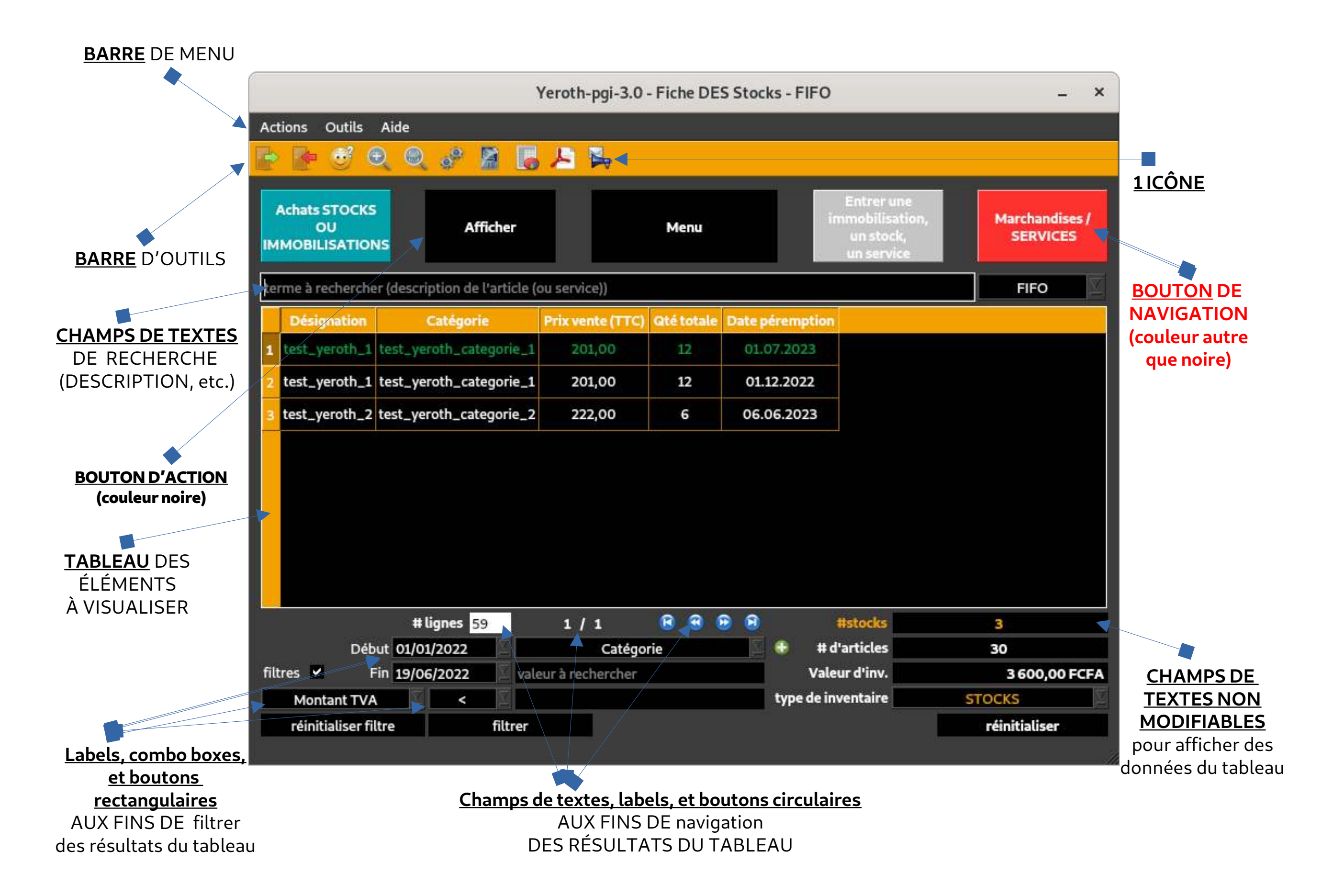
1.6 PHILOSOPHIE DES FENÊTRES PAR FONCTIONNALITÉS

1.7 ÉLÉMENTS GRAPHIQUES

YERITH–PGI–9.0 a été implémenté avec l'aide de la bibliothèque graphique Qt [Ltd22] !

1.7.1 GÉNÉRALITÉS

Figure 1.1 – Des différents éléments graphiques d'1 fenêtre conventionnelle de YERITH–PGI–9.0.

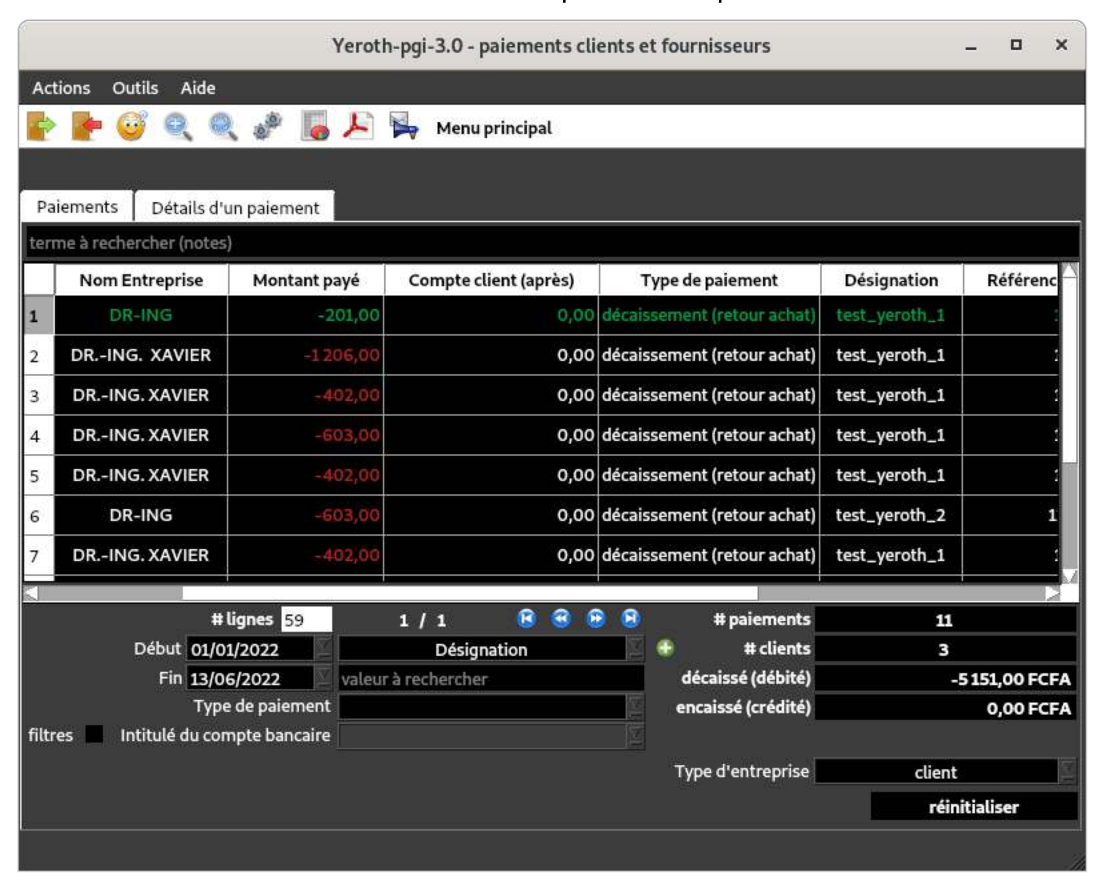


Chaque fenêtre de gestion commerciale peut contenir des éléments suivants :

1. 1 barre de menu
2. 1 barre d'outils
3. des boutons de navigations (boutons de couleur noire) et des boutons d'actions (boutons de couleur AUTRE QUE noire)
4. 1 tableau des éléments à manipuler
5. des éléments graphiques pour filtrer des résultats du tableau
6. des éléments graphiques aux fins de navigation des résultats du tableau
7. des champs textuels non modifiables aux fins d'afficher des données du tableau.

1.7.2 CONTEXTES DES TABLEAUX

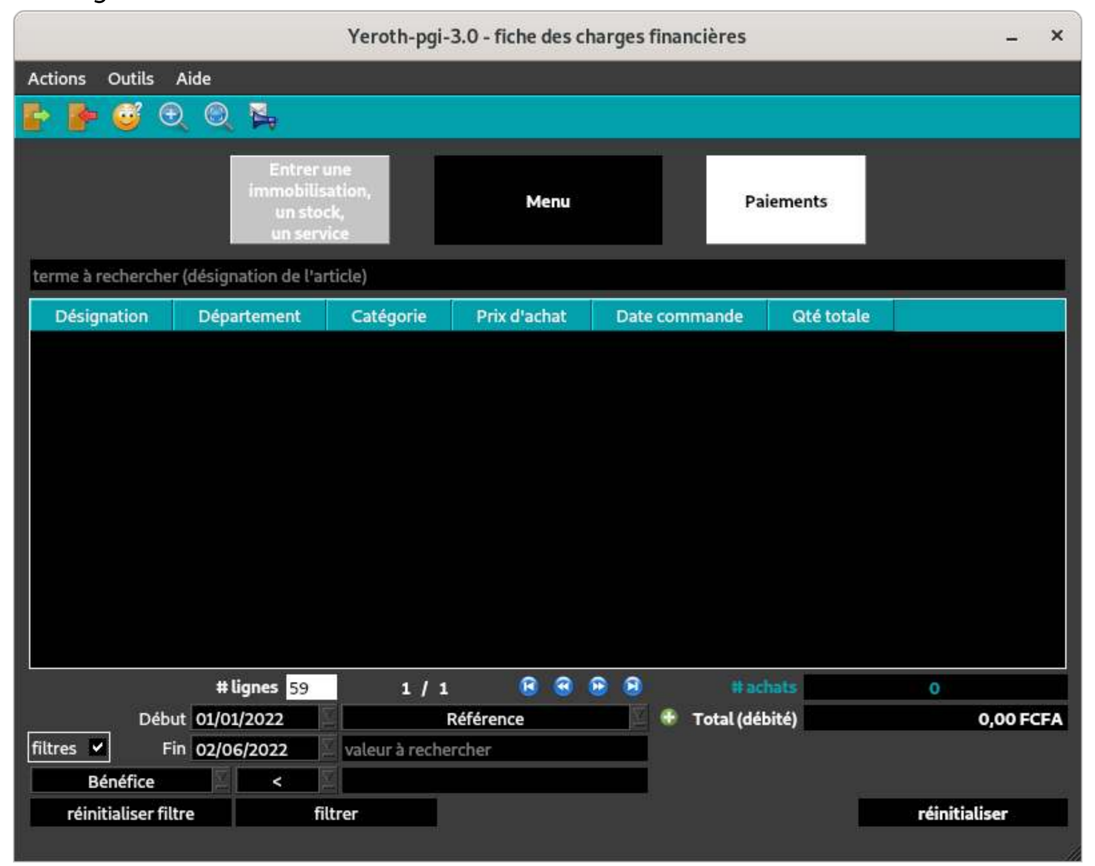
Figure 1.2 – La fenêtre de visualisation des paiements pour clients et/ou fournisseurs.



***L'INTITULÉ DES COLONNES D'*1 *TABLEAU dans YERITH−PGI−*9.0 *est dépendante du contexte du titre de la fenêtre* :**

1) PAR EXEMPLE; dans la fenêtre de visualisation des paiements pour clients et/ou fournisseurs présentée dans la figure 1.2, la colonne "`Désignation`" veut signifier 1 désignation DU PRODUIT VENDU ET RETOURNER!
2) PAR EXEMPLE; dans la fenêtre de visualisation de charges financières présentée dans la figure 1.3, la colonne "`Désignation`" veut signifier 1 désignation d'1 charge financière!

Figure 1.3 – La fenêtre de visualisation de CHARGES FINANCIÈRES.



1.8 Connexion à 1 autre localisation (succursale du réseau CONNECTÉ) dans YERITH–PGI–9.0

1.9 PARAMÉTRAGES DANS YERITH−PGI−9.0

1.9.1 INTRODUCTION

Tableau 1.1 – Types de paramètres de l'application PGI YERITH−PGI−9.0 et du système d'alertes et de sauvegardes automatisées.

TYPES DE PARAMÈTRES	UTILISATEURS MODIFICATEURS
paramètres locaux	*Administrateur, Manager*
paramètres serveurs	*Manager*

Tous les paramètres du PGI YERITH−PGI−9.0 sont centralisés dans la section "ADMINISTRATION".

Il existe des **paramètres locaux** (enregistrés sur le disque dur de l'ordinateur de l'utilisateur), et des **paramètres serveurs** (enregistrés dans la base de données du PGI YERITH−PGI−9.0) :

1. Des **paramètres locaux** influencent uniquement des instances du PGI YERITH−PGI−9.0 dans l'ordinateur de l'utilisateur, et sont modifiables par 1 ***Administrateur*** ou 1 ***Manager***.
2. Des **paramètres serveurs** influencent TOUTES LES INSTANCES DU PGI YERITH−PGI−9.0 QUI SONT RATTACHÉES AU SERVEUR DE BASE DE DONNÉES EN QUESTION !

   Des paramètres serveurs sont modifiables UNIQUEMENT par 1 ***Manager***.

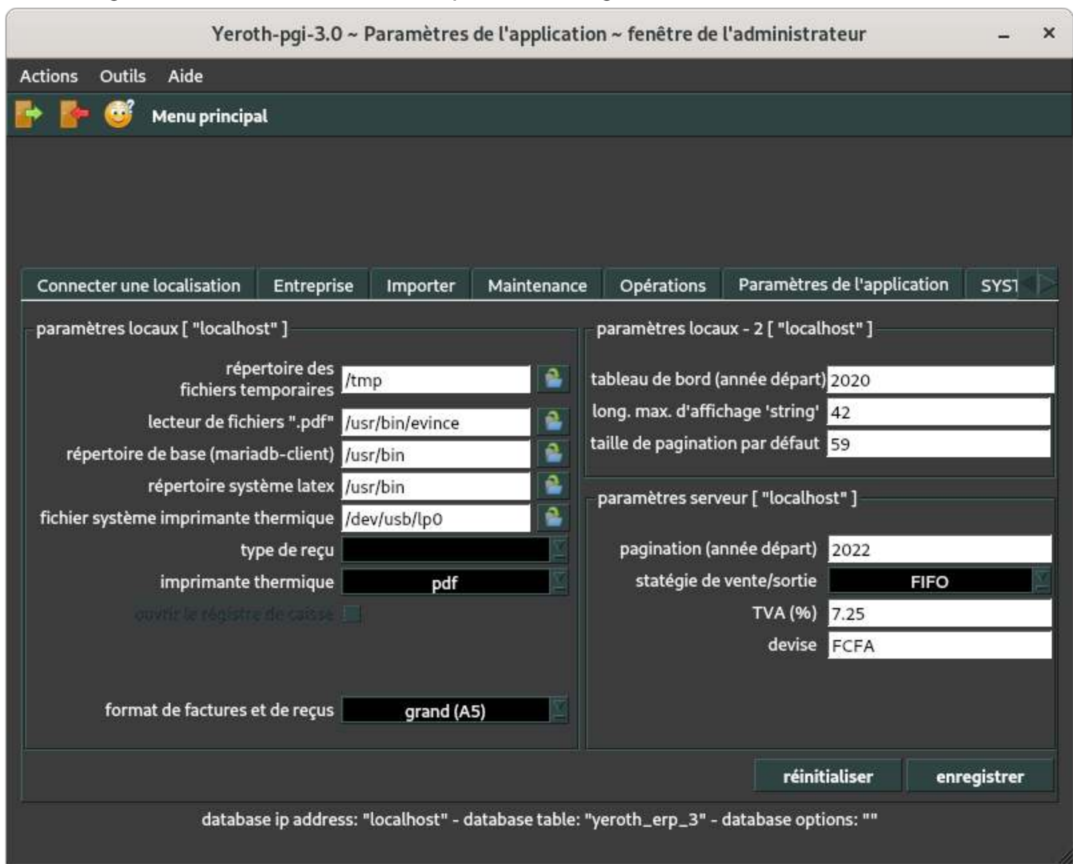
Tous les types de paramètres et les utilisateurs responsables de leurs modifications sont illustrés dans le TABLEAU 1.1.

TOUS PARAMÈTRE LOCAL OU SERVEUR EST SOIT :

1. 1 ***paramètre de l'application erp (pgi)*** (SECTION 1.9.2)
2. 1 ***paramètre du système d'alertes et de sauvegardes automatisées*** (SECTION 1.9.3).

1.9.2 PARAMÈTRES DE L'APPLICATION ERP (PGI)

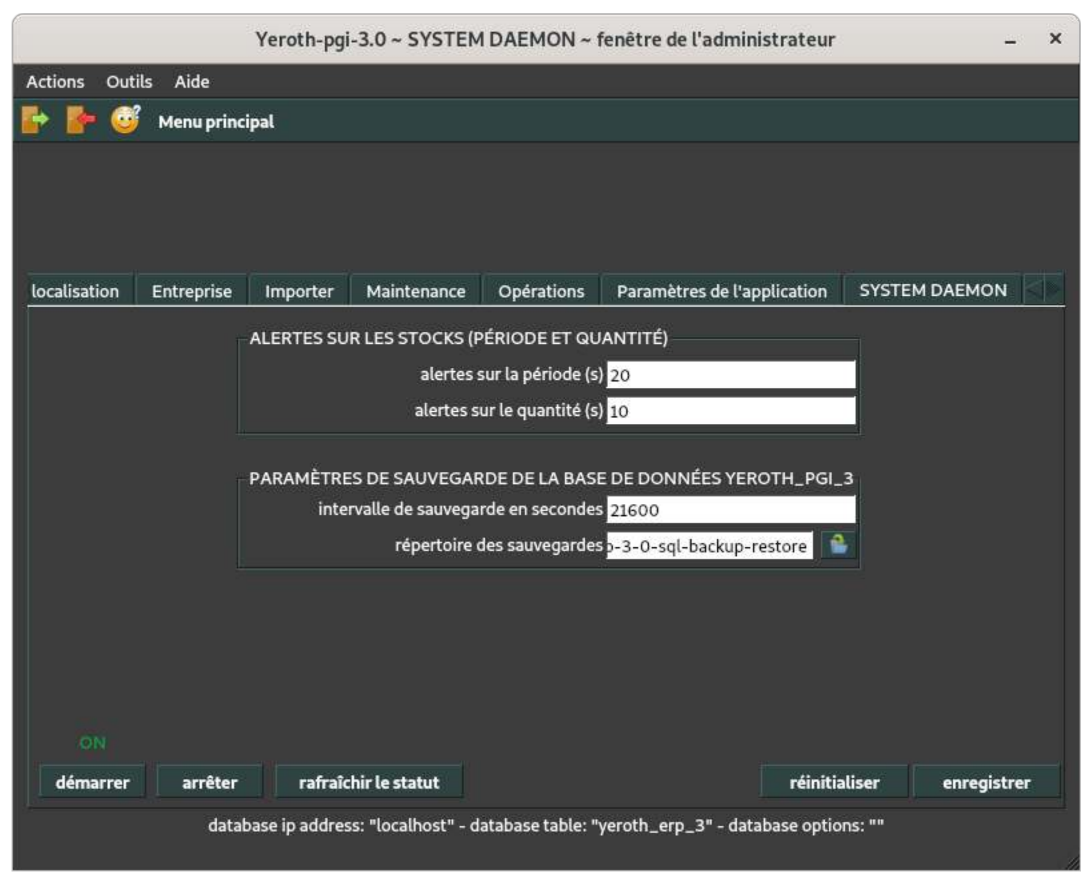
Figure 1.4 – La fenêtre de paramétrage du PGI YERITH–PGI–9.0.



1 paramètre de l'application erp (pgi) YERITH–PGI–9.0 est 1 valeur qui influence ses comportements du PGI YERITH–PGI–9.0 lors de son exécution : ***le format des reçus ("petit ", "A4 ", ou "A5 ") en est 1 exemple!***

1.9.3 PARAMÈTRES DU SYSTÈME D'ALERTES ET DE SAUVEGARDE AUTOMATISÉE DE LA BASE DE DONNÉES

Figure 1.5 – La fenêtre de paramétrage du système d'alertes, et du système de sauvegarde automatisée.



1 paramètre du système d'alertes, et du système de sauvegarde automatisée YERITH−PGI−9.0−SYSTEM−DAEMON est 1 valeur qui influence ses comportements lors de son exécution : ***le répertoire de sauvegarde des bases de données*** `MySQL` ***de YERITH−PGI−*9.0 *EN EST*** 1 ***EXEMPLE!***

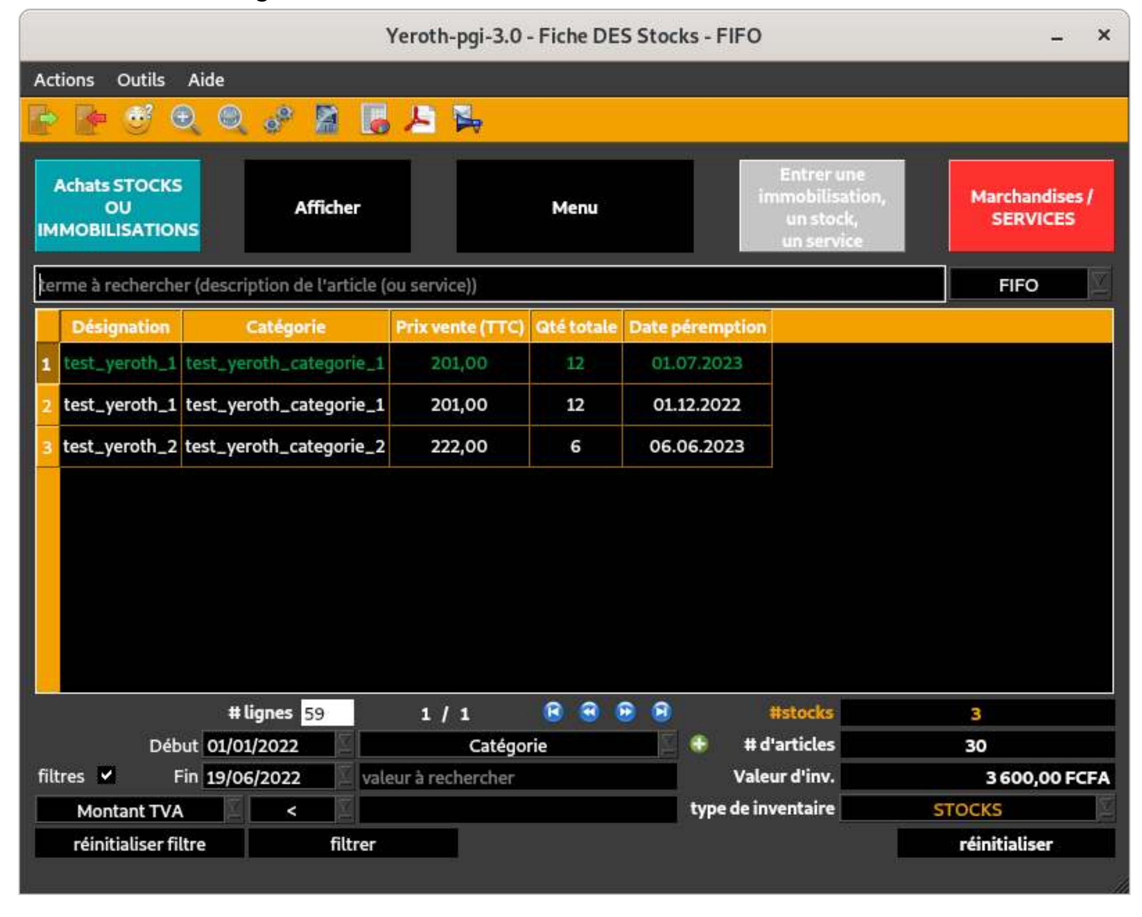
Chapitre 2

Fonctions Récurrentes de L'UTILISATEUR DE YERITH−PGI−9.0

Ce Chapitre présente des utilités génériques d'utilisations pour 1 utilisateur dans YERITH−PGI−9.0.

2.1 Localisation dans YERITH−PGI−9.0

Figure 2.1 – La fenêtre de visualisation de stocks.



VOUS POUVEZ TOUJOURS CONNAÎTRE DANS QUELLE FENÊTRE DE NAVIGATION VOUS VOUS TROUVEZ EN 1 MOMENT PRÉCIS GRÂCE À LA LECTURE DU TITRE DE CETTE FENÊTRE!

Prenez pour exemple **la fenêtre de visualisation de IMMOBILISATIONS/stocks (Figure 2.1)**, ***DONT LE TITRE EST : "Yerith−pgi−3.0 – FICHE DES Stocks – FIFO"!***

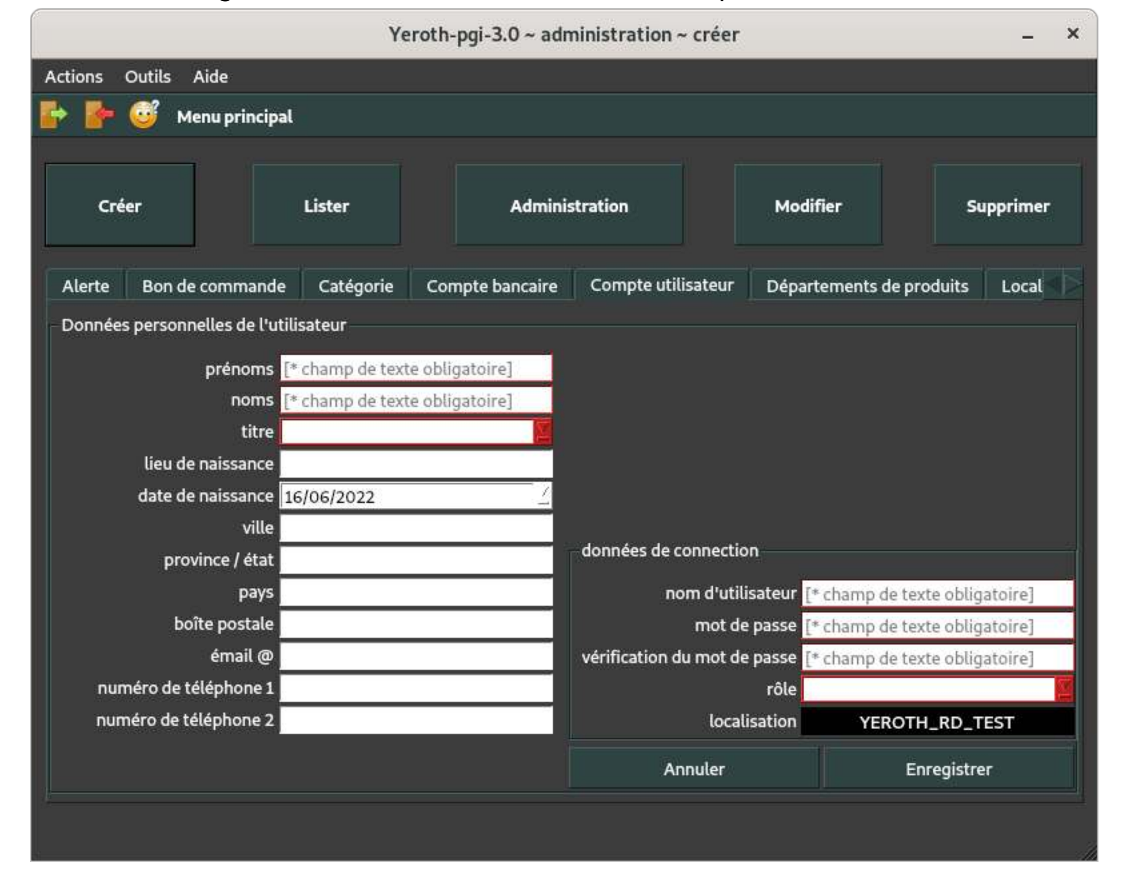
2.2 Créer 1 Compte Utilisateur (∗∗)

Figure 2.2 – La fenêtre d'accueil de L'ADMINISTRATION YERITH−PGI−9.0.

✓ ***Procédure pour créer un compte utilisateur***

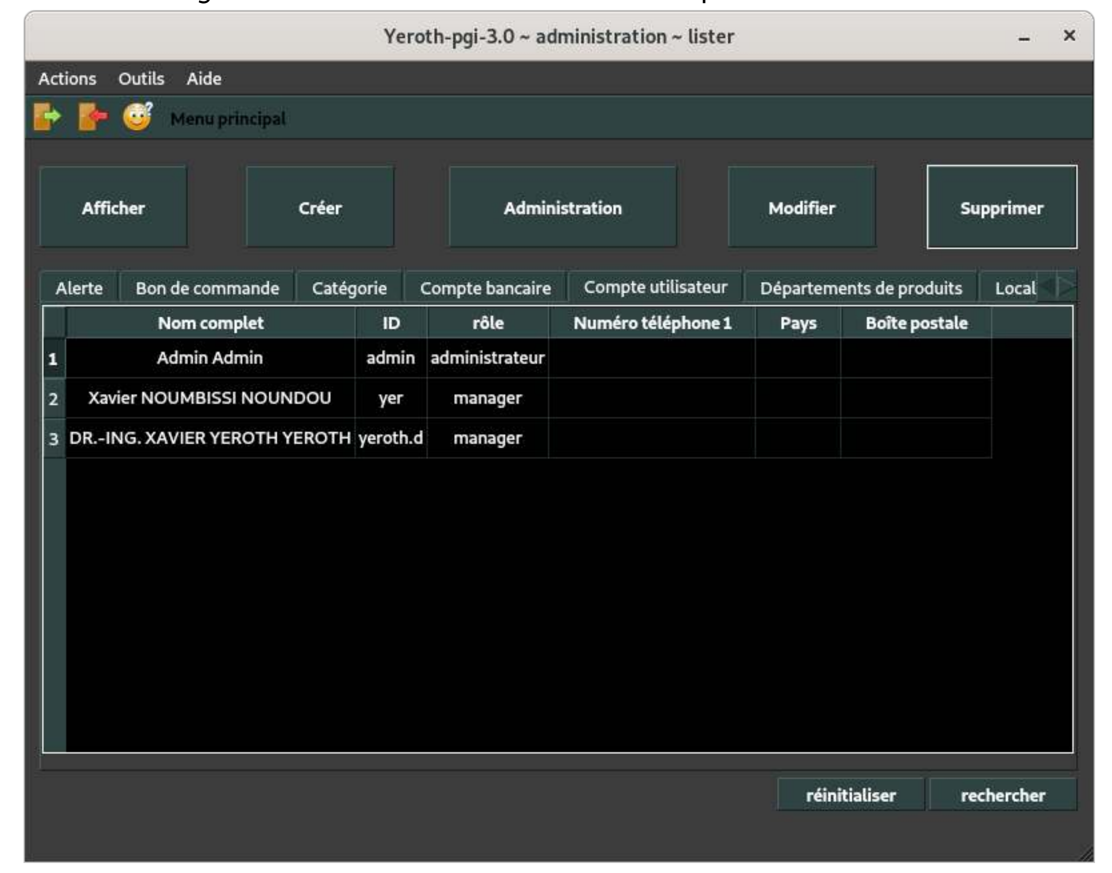
1. À partir de la fenêtre d'accueil de l'administration (voir figure 2.2), on clique sur "l'onglet" intitulé **opérations**
2. Choisir '**créer**' dans le 'combo box' "`opérations`"
3. Choisir '**un compte utilisateur**' dans le 'combo box' "`objets`".
   Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 2.3
4. Saisissez les informations requises dans les champs de textes
5. Cliquer sur le 'bouton' "`Enregistrer`" pour valider votre travail.

Figure 2.3 – La fenêtre "créer un compte utilisateur".



2.3 Supprimer 1 Compte Utilisateur (∗∗)

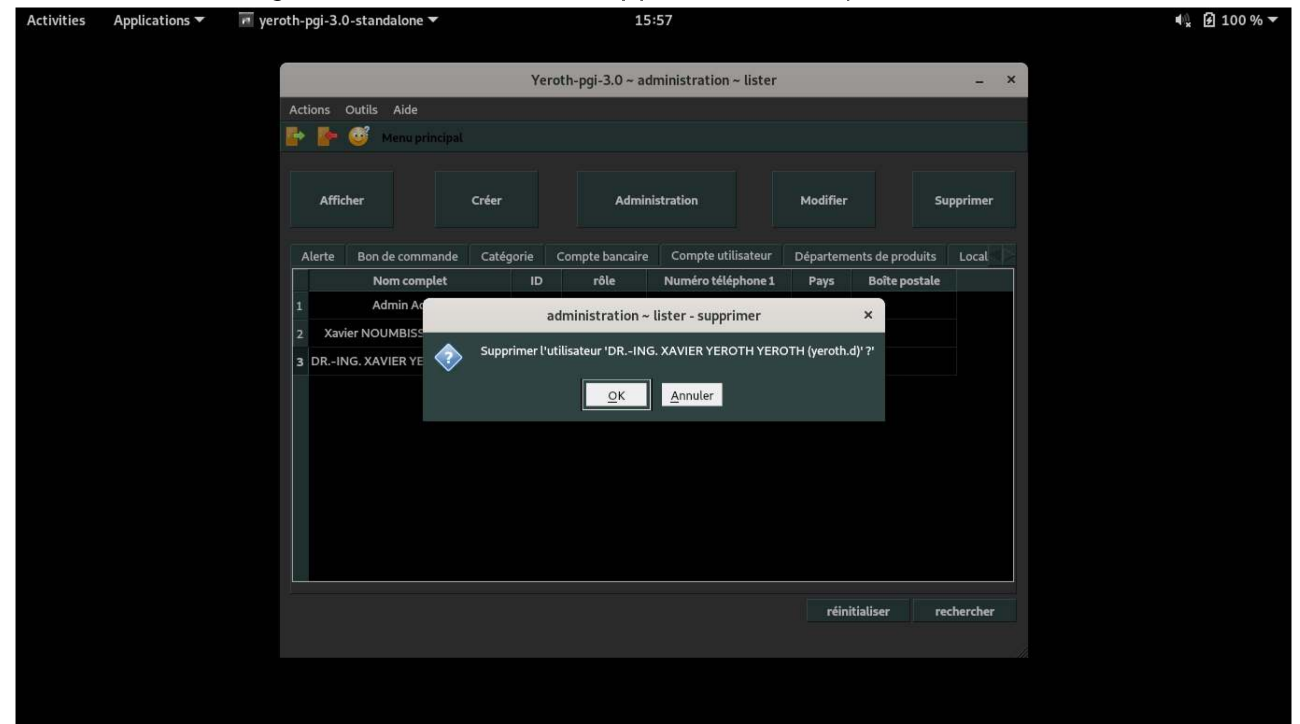
Figure 2.4 – La fenêtre "lister les comptes utilisateurs".



✓ ***Procédure pour supprimer un compte utilisateur***

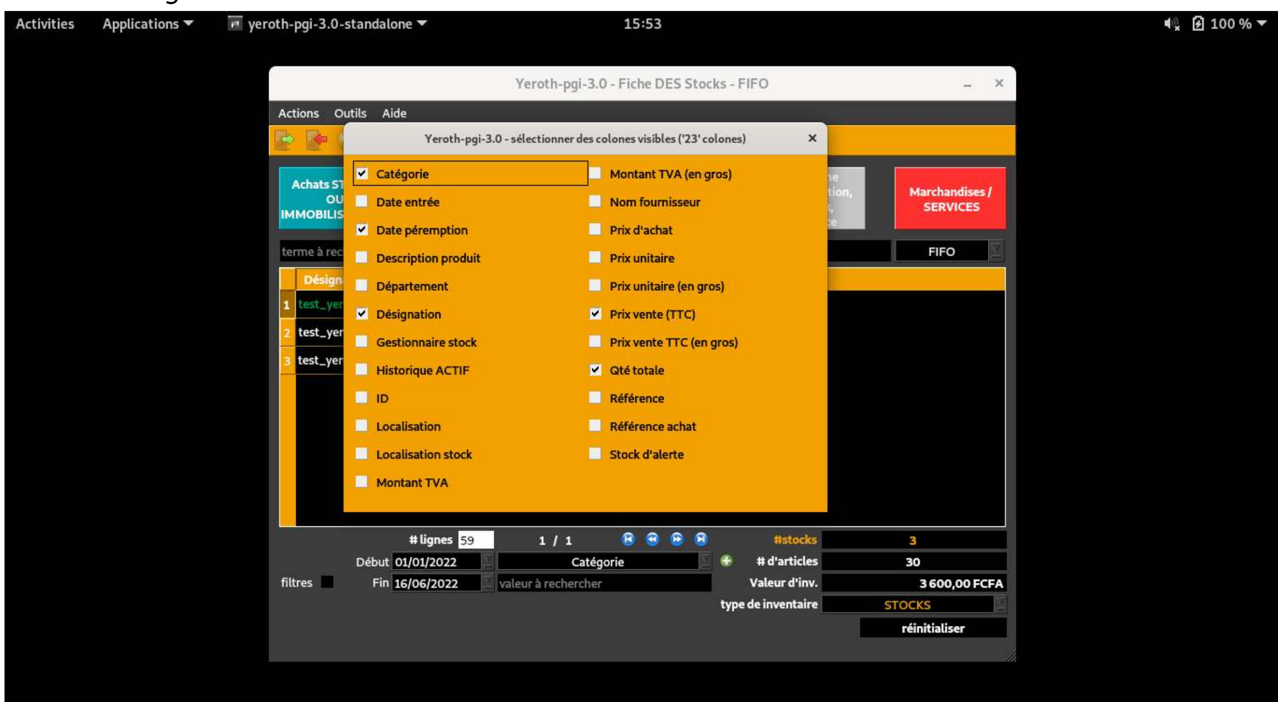
1. À partir de la fenêtre d'accueil de l'administration (voir figure 2.2), on clique sur 'l'onglet' intitulé "`opérations`"
2. Choisir '**supprimer**' dans le 'combo box' "`opérations`"'
3. Choisir '**un compte utilisateur**' dans le 'combo box' "`objets`"'.
   Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 2.4
4. Sélectionner le compte utilisateur à supprimer dans la liste des comptes utilisateurs affichée
5. Cliquer sur le 'bouton' "`Supprimer`".
   La question est ensuite posée si vous confirmer votre choix (figure 2.5)!
   Cliquer sur le 'bouton' "`OK`" pour confirmer votre choix!

Figure 2.5 – La fenêtre "supprimer un compte utilisateur".



2.4 SÉLECTIONNER DES COLONNES VISIBLES D'1 TABLEAU

Figure 2.6 – La fenêtre "Sélectionner des colonnes visibles d'1 tableau".



✓ ***Procédure pour sélectionner des colonnes visibles d'1 tableau***

1. À partir de la fenêtre du tableau, cliquez sur l'icône [1] ( ) avec 1 signe **PLUS (+)** dans son intérieur
2. Ensuite, sélectionner des colonnes d'1 tableau en cochant sur des 'check box' correspondants tel que illustrée à la figure 2.6 !

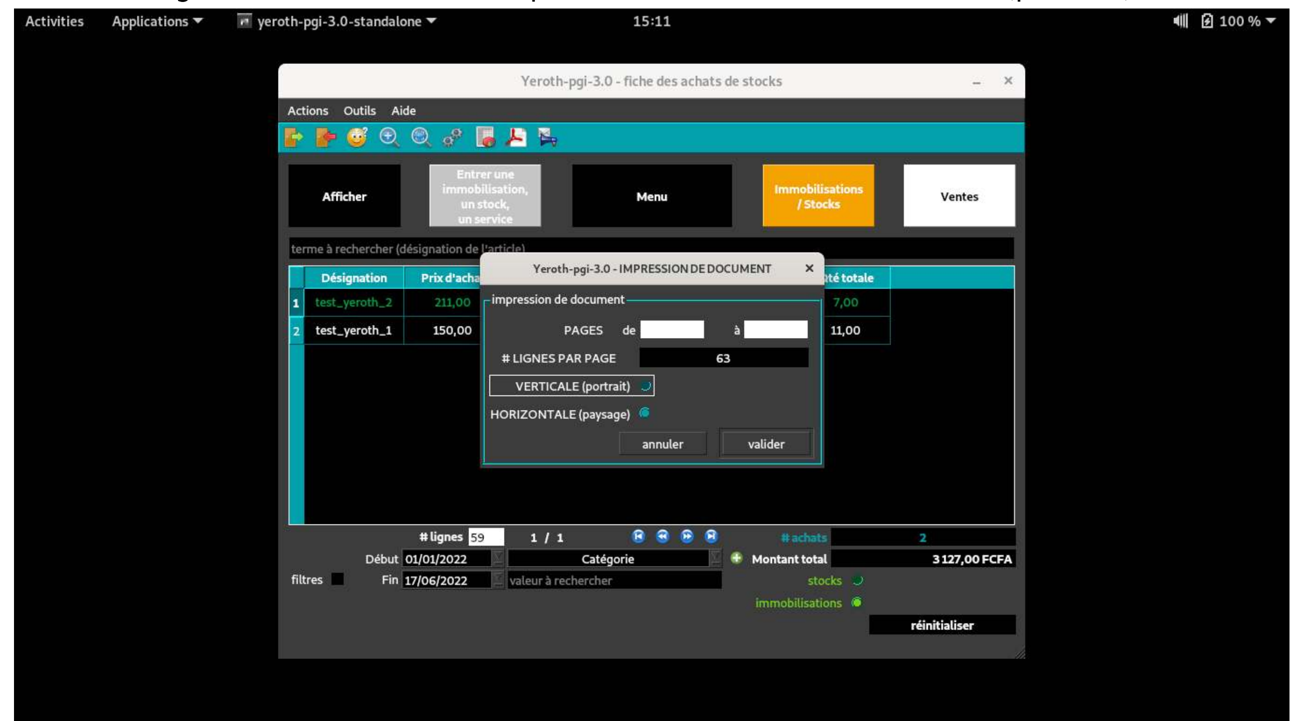
✓ ***INFLUENCES AUX PRÉFÉRENCES PERSONNELLES DE L'UTILISATEUR :*** LA POSITION DE CHAQUE COLONNE SÉLECTIONNÉE, AINSI QUE SA PRÉSENCE EST AUTOMATIQUEMENT ENREGISTRÉE COMME DANS LES PRÉFÉRENCES personnelles de l'utilisateur courant, par YERITH−PGI−9.0.

AINSI, CHAQUE NOUVELLE MODIFICATION, soit de la position, ou encore de la sélection d'1 colonne est automatiquement remarquée par le pgi YERITH−PGI−9.0 ***sans aucune intervention mécanique*** de l'utilisateur !

1. copiée du site web https://www.iconshock.com

2.5 IMPRIMER EN VERTICALE (portrait)

Figure 2.7 – La fenêtre "Impression de document – verticale (portrait)".



✓ ***Procédure pour imprimer** 1 **document en verticale***

1. À partir de la fenêtre du tableau, cliquez sur l'icône [2] ( )
2. Ensuite, cliquez sur le 'bouton de radio' "`VERTICALE (portrait)`" tel que illustrée dans la figure 2.7 !

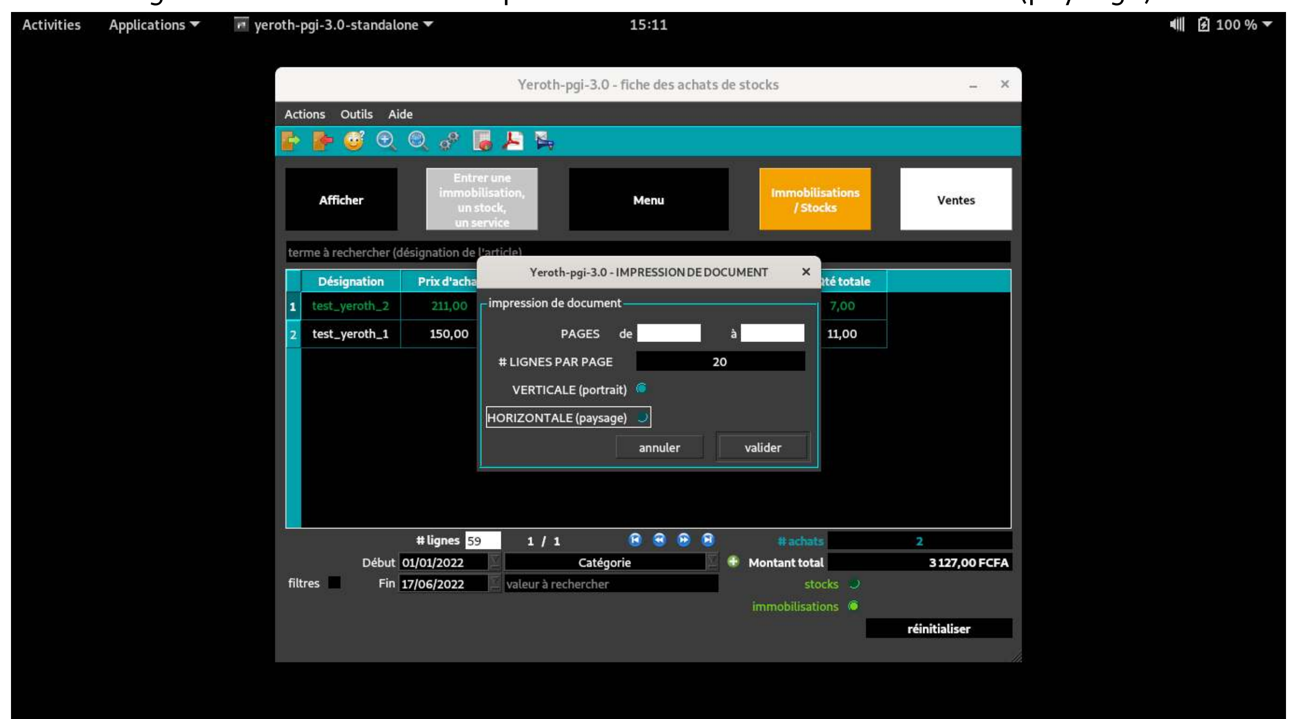
✓ ***INFLUENCES AUX PRÉFÉRENCES PERSONNELLES DE L'UTILISATEUR :*** LA POSITION D'IMPRESSION SÉLECTIONNÉE : "VERTICALE", pour la fenêtre en cours d'utilisation EST AUTOMATIQUEMENT ENREGISTRÉE COMME DANS LES PRÉFÉRENCES personnelles de l'utilisateur courant, par YERITH−PGI−9.0.

AINSI, CHAQUE NOUVELLE MODIFICATION, soit de la POSITION D'IMPRESSION, OU ENCORE DES COLONNES DU TABLEAU SÉLECTIONNÉES, est automatiquement remarquée par le pgi YERITH−PGI−9.0 ***sans aucune intervention mécanique*** de l'utilisateur !

2. copiée du site web `https://www.iconshock.com`

2.6 IMPRIMER EN HORIZONTALE (paysage)

Figure 2.8 – La fenêtre "Impression de document – horizontale (paysage)".



✓ *Procédure pour imprimer 1 document en horizontale*

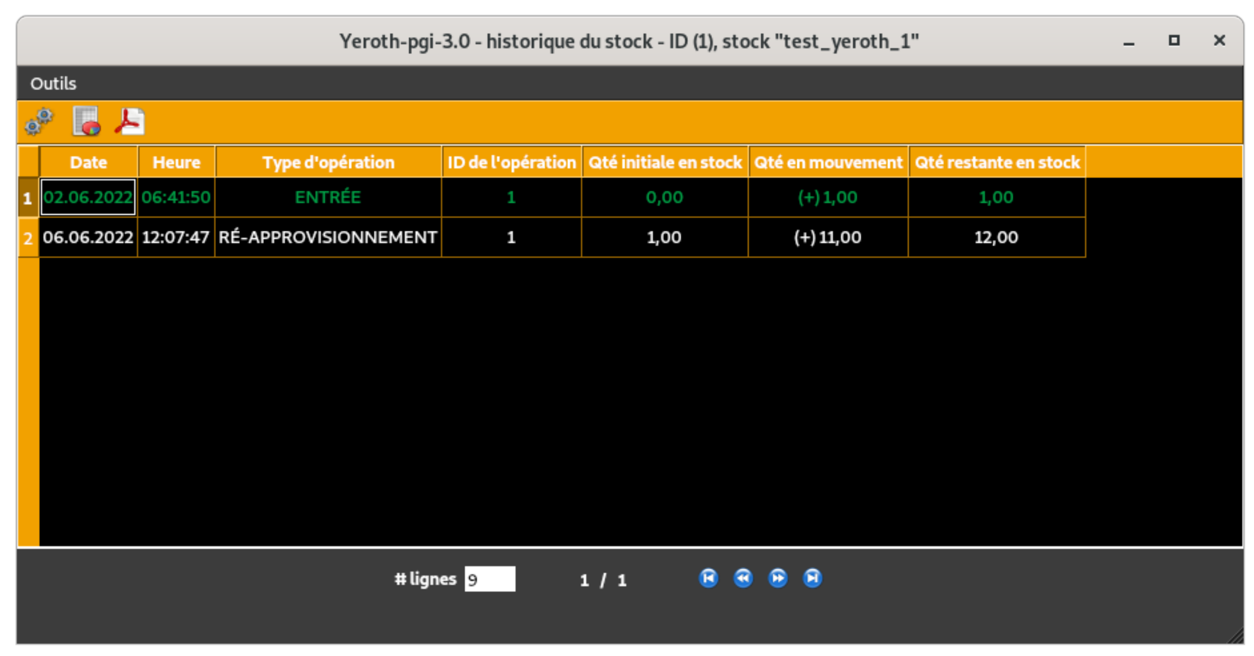
1. À partir de la fenêtre du tableau, cliquez sur l'icône ( )
2. Ensuite, cliquez sur le 'bouton de radio' "`HORIZONTALE (paysage)`" tel que illustrée dans la figure 2.8 !

✓ INFLUENCES AUX PRÉFÉRENCES PERSONNELLES DE L'UTILISATEUR : LA POSITION D'IMPRESSION SÉLECTIONNÉE : "HORIZONTALE", pour la fenêtre en cours d'utilisation EST AUTOMATIQUEMENT ENREGISTRÉE COMME DANS LES PRÉFÉRENCES personnelles de l'utilisateur courant, par YERITH−PGI−9.0.

AINSI, CHAQUE NOUVELLE MODIFICATION, soit de la POSITION D'IMPRESSION, OU ENCORE DES COLONNES DU TABLEAU SÉLECTIONNÉES, est automatiquement remarquée par le pgi YERITH−PGI−9.0 ***sans aucune intervention mécanique*** de l'utilisateur !

2.7 ACCÉDER À L'HISTORIQUE D'1 IMMOBILISATION / Stock

Figure 2.9 – L'historique d'1 stock.

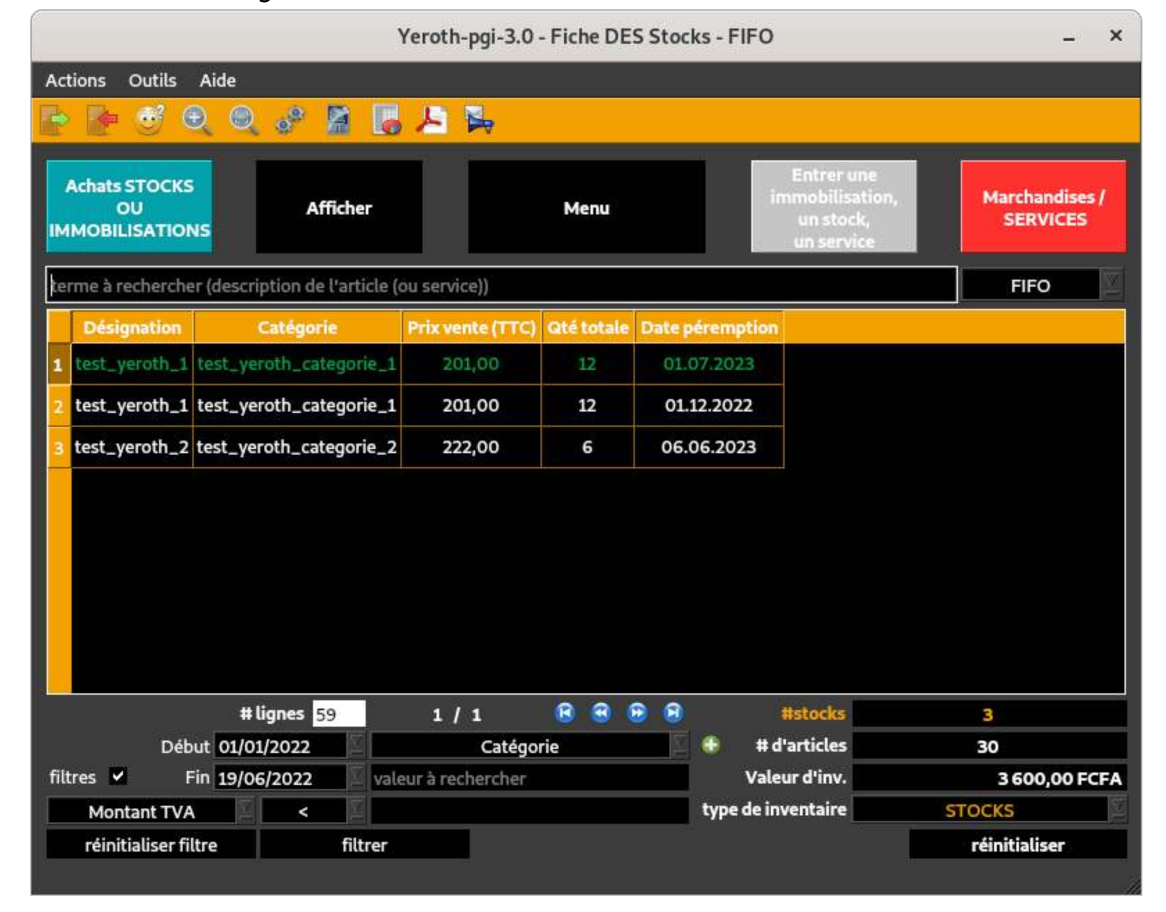


L'historique d'1 immobilisation / stock est 1 journal qui regroupe de façon chronologique des éléments suivants :

1. données d'insertion
2. données de locations
3. données de réapprovisionnement
4. données de sorties
5. données de transferts
6. données de ventes.

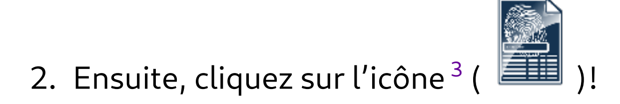
✓ ***AGRANDISSEMENT DE L'HISTORIQUE D'1 IMMOBILISATION / Stock :*** DANS YERITH–PGI–9.0, SI L'HISTORIQUE D'1 IMMOBILISATION/Stock n'est pas désactivée, ***cet historique n'est plus agrandit si sa limite accordée dans la base de données de YERITH–PGI–9.0 EST ATTEINTE (6.500 CARACTÈRES DE TYPE "varchar")***!

Figure 2.10 – La fenêtre de visualisation de stocks.



✓ ***Procédure pour accéder à l'historique d'1 immobilisation / stock***

1. À partir de la fenêtre "FICHE DES STOCKS OU IMMOBILISATIONS" (figure 2.10), sélectionnez l'IMMOBILISATION/stock dont vous souhaitez consulter l'historique

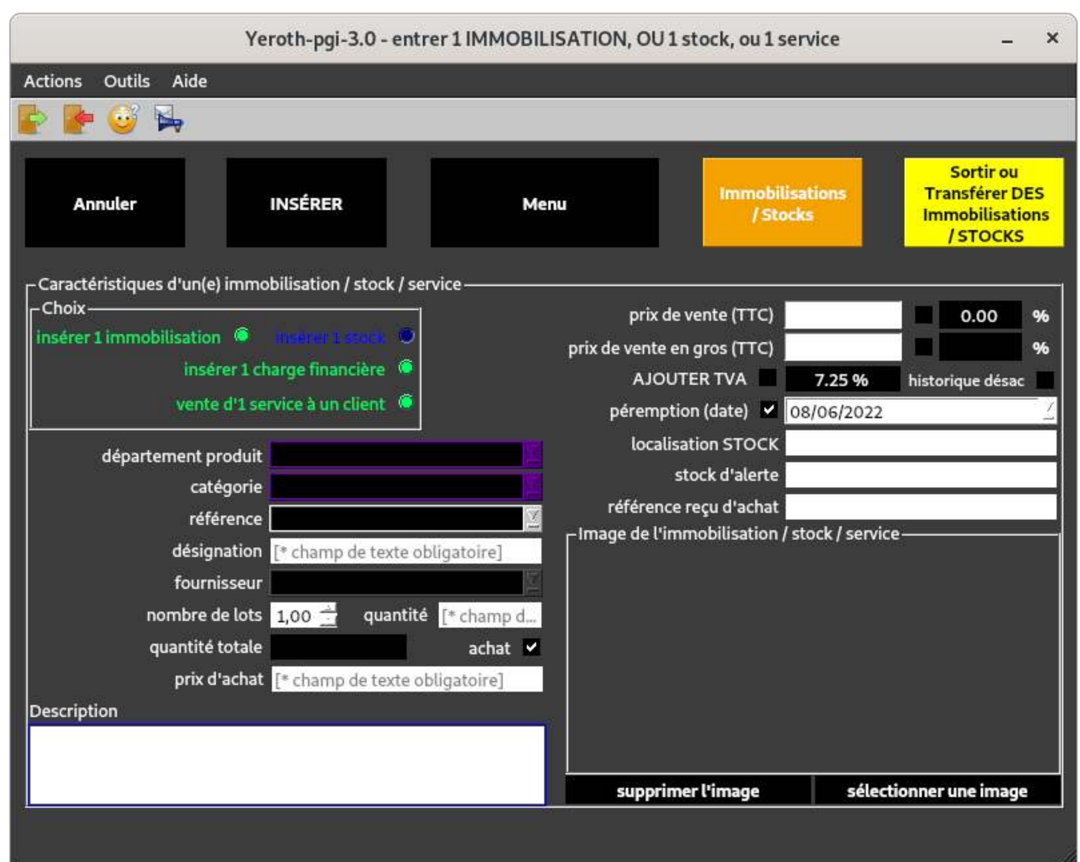
2. Ensuite, cliquez sur l'icône [3] ()!

3. copiée du site web https://www.iconshock.com

2.8 DÉSACTIVER L'HISTORIQUE D'1 IMMOBILISATION / Stock

2.8.1 À L'Insertion D'1 IMMOBILISATION / Stock

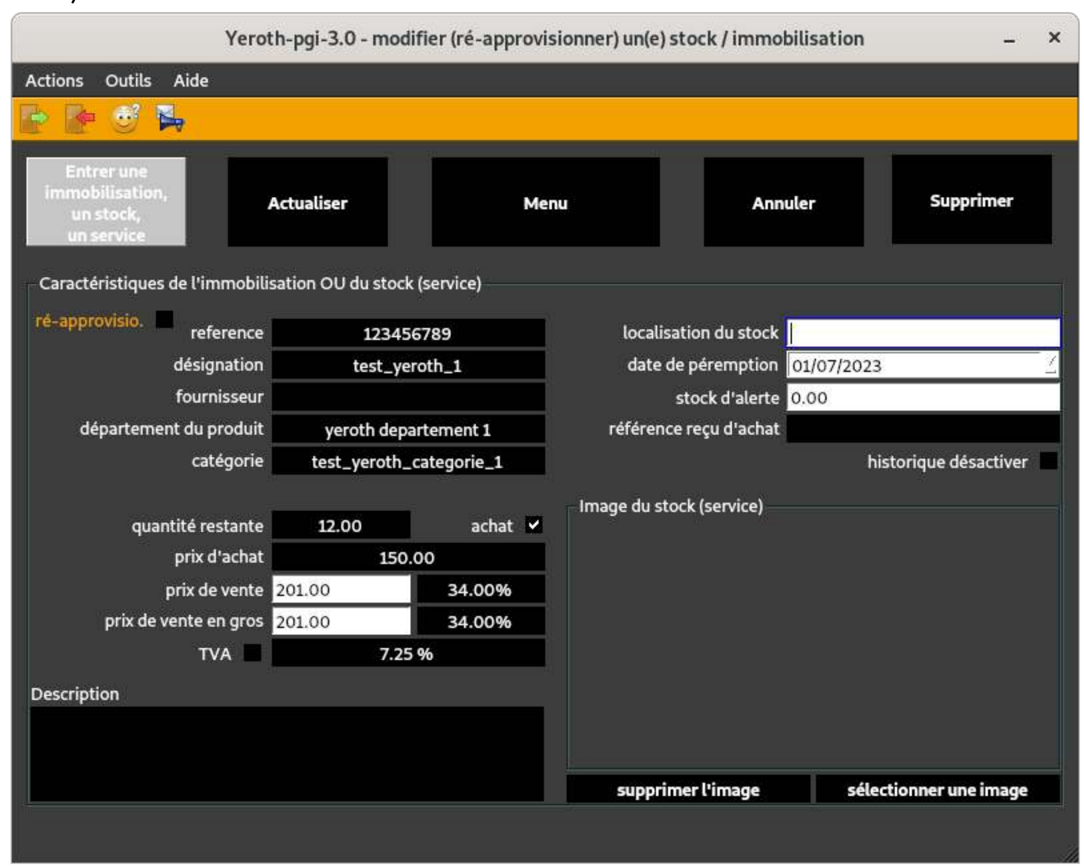
Figure 2.11 – La fenêtre pour désactiver 1 stock et / ou IMMOBILISATION (DURANT L'INSERTION).



Durant l'insertion d'1 immobilisation / stock, il suffit de décocher le 'checkbox' "`historique désac.`". pour qu'aucun journal d'historique ne soir créer pour l'immobilisation / stock!

2.8.2 À La Modification D'1 IMMOBILISATION / Stock

Figure 2.12 – La fenêtre pour désactiver 1 stock et / ou IMMOBILISATION (DURANT LA MODIFICATION).



Si l'immobilisation / stock est déjà créer, il suffit de se rendre à la fenêtre "`MODIFIER CE STOCK`" et d'y décocher le 'checkbox' "`historique désactiver`" aux fins de supprimer de nouvelles insertions dans journal le d'historique de l'immobilisation / stock!

Chapitre 3

CAS D’UTILISATIONS D’1 ORGANISATION ENTREPRENEURIALE GÉNÉRIQUE

Ce chapitre a pour objectifs de démontrer la pertinence de mon PROGICIEL DE GESTION INTÉGRÉ dans 1 environnement organisationnellement structuré !

3.1 RESSOURCES HUMAINES & FOURNISSEURS

3.1.1 Créer 1 Compte Travailleur (ou Fournisseur)

3.1.2 Supprimer 1 Compte Travailleur (ou Fournisseur)

3.2 CLIENTÈLE

3.2.1 Créer 1 Programme De Fidélité De Clients

3.2.2 Créer 1 Catégorie De Client

3.2.3 Créer 1 Compte Client

3.2.4 Supprimer 1 Programme De Fidélité De Clients

3.2.5 Supprimer 1 Catégorie De Client

3.2.6 Supprimer 1 Compte Client

3.3 IMMOBILISATIONS

3.3.1 Définition

3.3.2 Insérer 1 Immobilisation

3.3.3 Consulter L'historique D'1 Immobilisation

3.4 STOCKS et / ou MARCHANDISES

3.4.1 Insérer 1 Stock de Marchandises

3.4.2 Consulter L'historique D'1 Stock

3.4.3 Consulter La Liste Des Marchandises NON Achevées

3.4.4 Consulter La Liste Des Marchandises Achevées

3.5 MOUVEMENTS (SORTIES ET TRANSFERTS) DE IMMOBILISATIONS et / ou STOCKS

3.5.1 Sortir 1 Immobilisation / Stock

3.5.2 Transférer 1 Immobilisation / Stock

3.5.3 Consulter La Liste Des Sorties De Immobilisations

3.5.4 Consulter La Liste Des Transferts Des Immobilisations

3.5.5 Consulter La Liste Des Sorties De Stocks

3.5.6 Consulter La Liste Des Transferts Des Stocks

3.6 Paiements

3.6.1 TYPES DE PAIEMENTS

3.6.1.1 TYPES DE PAIEMENTS DE FOURNISSEURS

3.6.1.2 TYPES DE PAIEMENTS DE CLIENTS

3.6.2 Consulter Des paiements (DE FOURNISSEURS)

3.6.3 Consulter Des paiements (DE CLIENTS)

3.6.4 Consulter Des paiements (AVEC FILTRES)

3.7 VENTES

3.7.1 MODES DE PAYEMENTS de clients

3.7.2 Consulter Des ventes

3.7.3 Consulter Des ventes (AVEC FILTRES)

3.7.4 Vendre 1 ARTICLE

3.7.5 PRÉVENDRE 1 ARTICLE

3.7.6 Vendre 1 SERVICE

3.7.7 PRÉVENDRE 1 SERVICE

3.7.8 PRÉVENDRE 1 SERVICE AVEC RISTOURNE pour client

3.7.9 Vendre 1 SERVICE AVEC RISTOURNE pour client

3.8 FINANCES

3.8.1 Insérer 1 COMPTE BANCAIRE (*)

3.8.2 Insérer 1 CHARGE FINANCIÈRE

3.8.3 Consulter Des Payements

3.8.4 Consulter Des Transactions Financières (AVEC 1 FOURNISSEUR)

3.8.5 Consulter Des Transactions Financières (AVEC 1 CLIENT)

Chapitre 4

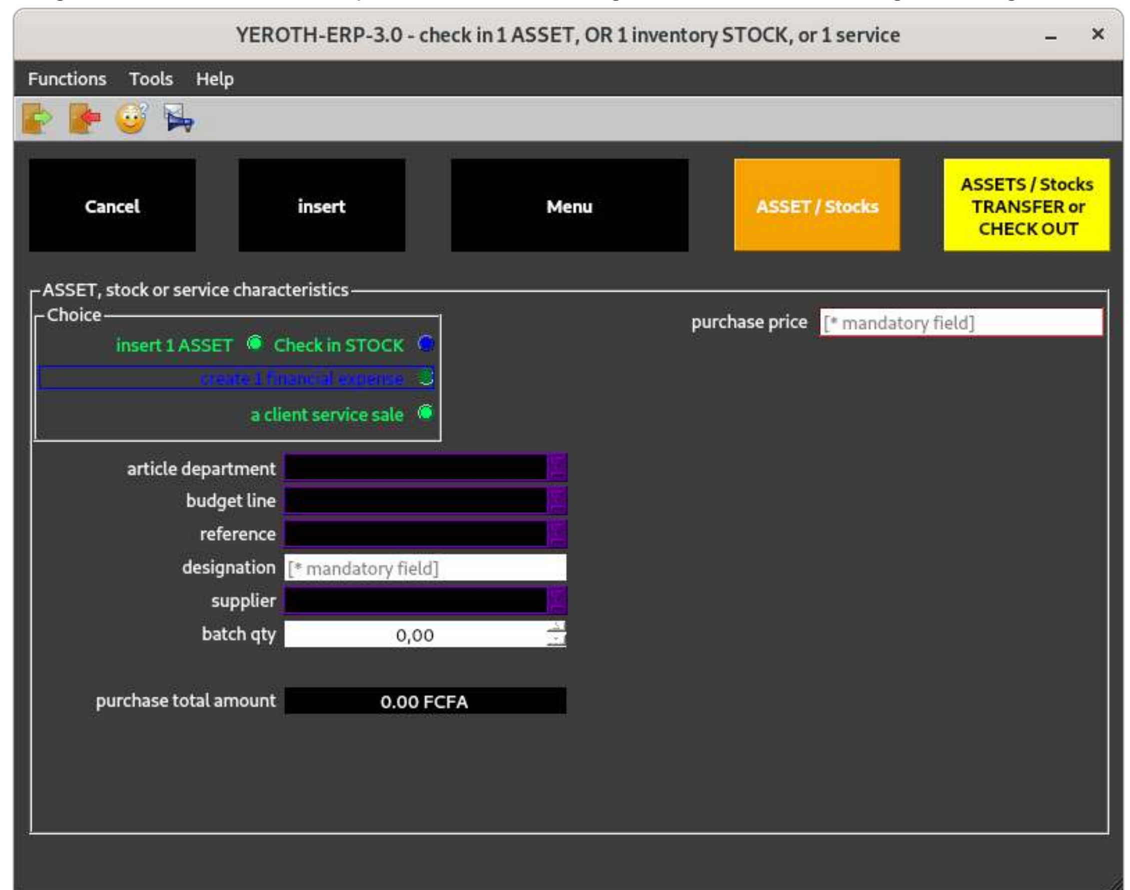
CAS D'UTILISATIONS D'ORGANISATIONS ENTREPRENEURIALES SPÉCIFIQUES

Ce chapitre a pour objectifs de démontrer la pertinence de mon PROGICIEL DE GESTION INTÉGRÉ dans 1 environnement organisationnellement structuré !

4.1 1 service d'immigration / 1 CABINET D'AVOCATS / 1 Entreprise de LOGISTIQUE, ETC.

4.1.1 Insérer 1 CHARGE FINANCIÈRE SUR 1 LIGNE BUDGÉTAIRE

Figure 4.1 – La fenêtre pour entrer 1 charge financière sur 1 ligne budgétaire.



4.1.2 Créer 1 Dossier Clientèle

4.1.3 Générer 1 FICHE SOMMAIRE D'1 Client

4.1.4 Modifier Des Détails D'1 Client

4.2 1 COTISATION

4.2.1 Créer 1 Cotisation Mensuelle

4.2.2 Créer 1 Compte De Membre

4.2.2.1 Générer 1 Carte De Membre

4.2.3 Payer 1 Cotisation De Membre

4.3 1 ASSURANCE D’ENTREPRISES

4.3.1 Créer 1 Police D’assurance

4.3.2 Créer 1 Compte De Membre

4.3.2.1 Générer 1 Carte De Membre

4.3.3 Payer 1 Police D’assurance

4.4 1 HÔTEL

4.4.1 Une Réservation De Chambre

4.4.2 Une Location De Chambre

4.4.3 Une Sortie De Chambre

Chapitre 5

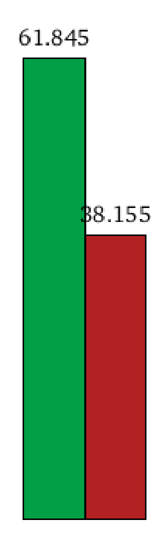
TABLEAUX DE BORDS

Ce chapitre présente des outils scientifiques et/ou statistiques nécessaires et utiles pour COMPRENDRE SES FONCTIONNEMENTS organisationnels, et représentés dans YERITH−PGI−9.0!

5.1 TYPES DE DIAGRAMMES REPRÉSENTATIFS DES DONNÉES DANS YERITH−PGI−9.0

5.1.1 DIAGRAMME À BANDE

Figure 5.1 – EXEMPLE DE DIAGRAMME À BANDE.



1 DIAGRAMME À BANDE REPRÉSENTE DES VALEURS NUMÉRIQUES SOUS FORME D'1 SUITE DE SURFACES RECTANGULAIRES DE MÊME LARGEUR ET DE LONGUEURS PLUS OU MOINS DIFFÉRENTES.

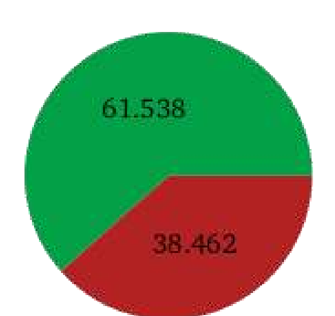
LA LONGUEUR D'1 BANDE DE SURFACE RECTANGULAIRE EST PROPORTIONNELLE À LA VALEUR NUMÉRIQUE QU'ELLE REPRÉSENTE!

✓ ***Exemple de représentation de valeurs numériques par** 1 **diagramme à bande*** La figure 5.1 représente 2 pourcentages :

1. "**61, 538**" par 1 bande rectangulaire de couleur VERTE ;
2. "**38, 462**" par 1 bande rectangulaire de de couleur ROUGE.

5.1.2 DIAGRAMME CIRCULAIRE

Figure 5.2 – EXEMPLE DE DIAGRAMME CIRCULAIRE.



1 DIAGRAMME CIRCULAIRE REPRÉSENTE DES VALEURS NUMÉRIQUES SOUS FORME D'1 SUITE D'AIRES CIRCULAIRES PLUS OU MOINS DIFFÉRENTES.

CHAQUE VALEUR NUMÉRIQUE REPRÉSENTÉE A 1 AIRE CIRCULAIRE, et 1 angle PROPORTIONNEL À LA GRANDEUR DE LA VALEUR NUMÉRIQUE REPRÉSENTÉE!

✓ ***Exemple de représentation de valeurs numériques par** 1 **diagramme circulaire*** La figure 5.2 représente 2 pourcentages :

1. "$\mathbf{61,538}$" par 1 aire circulaire de couleur VERTE ;
2. "$\mathbf{38,462}$" par 1 aire circulaire de couleur ROUGE.

5.2 Générer 1 bilan comptable ANALYTIQUE

5.3 Générer 1 CHIFFRE D’AFFAIRE

5.4 Générer 1 PALMARÈS DE CHIFFRES D’AFFAIRES

Chapitre 6

Conclusion

CETTE CONCLUSION PERMETTRA DE CONCLURE SUR LES PERTINENCES ET CAS D'UTILISATIONS LES MIEUX APPROPRIÉS DE MON PROGICIEL DE GESTION INTÉGRÉ "YERITH−PGI−9.0".

Chapitre 7

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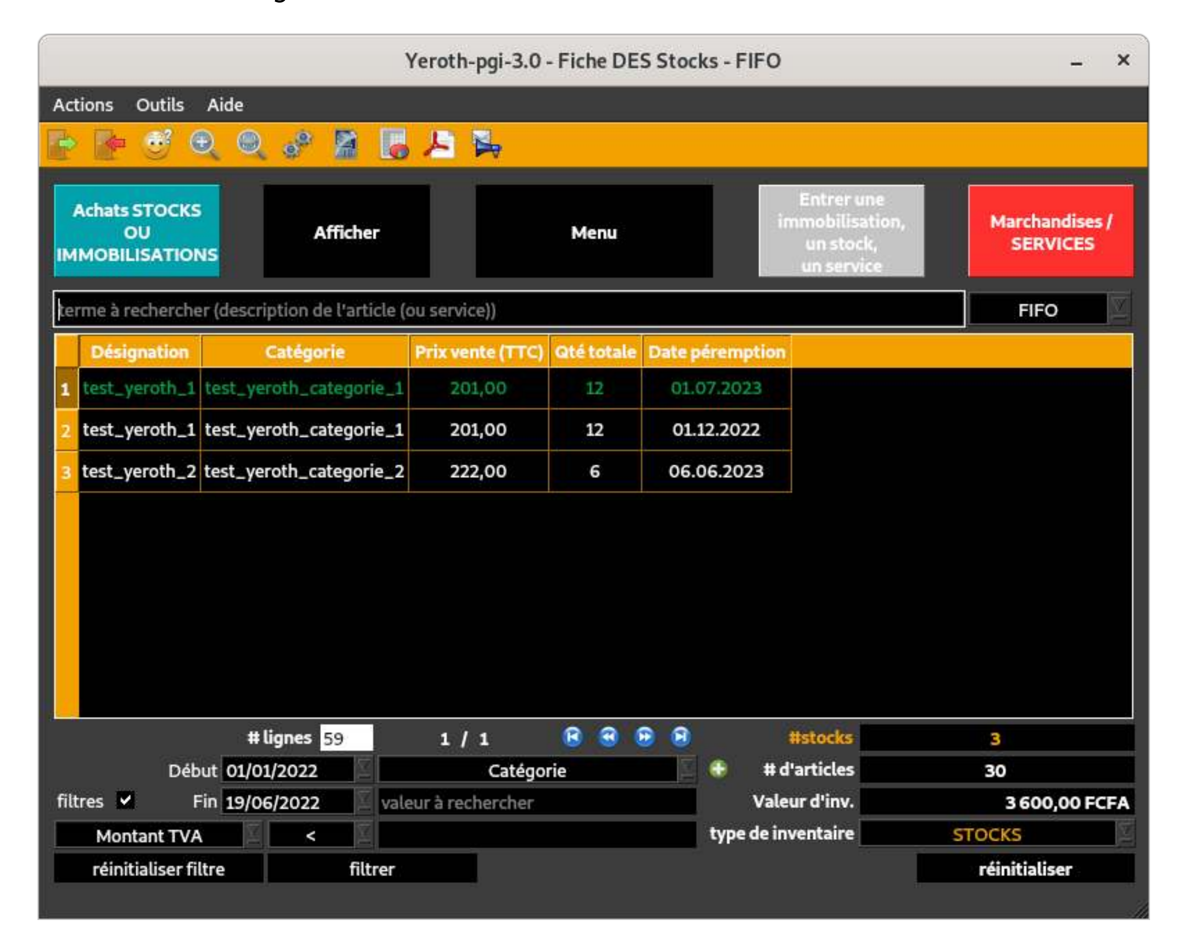
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Annexe A

PHILOSOPHIE DU DESIGN–INDUSTRIEL DE YERITH–PGI–9.0

Figure A.1 – La fenêtre de visualisation de stocks.



J'AI CONSTRUIS ET IMPLÉMENTÉ YERITH–PGI–9.0 AVEC LES OBJECTIFS SUIVANTS :

1. **Les champs de textes destinés à la recherche textuelle arbore dans leur espace d'écriture, des indications sur la fiabilité et la pertinence des résultats.**
   cf. l'image de la fenêtre A.1 de visualisation des stocks de YERITH–PGI–9.0 ; le champs textuel juste au-dessous du 'bouton' "menu" mentionne que toute recherche effectuée en son sein, se fera uniquement dans la COLONNE 'DESCRIPTION DE L'ARTICLE, OU DU SERVICE' du tableau de stocks.

2. **YERITH–PGI–9.0 est privé en presque tout point de la MAXIMISATION DES FENÊTRES : CECI DANS LE SOUCIS DE POUVOIR UTILISER YERITH–PGI–9.0, sans autre formes de manipulation du code (C++), sur des ordinateurs (tablettes numériques) avec pour SYSTÈME D'EXPLOITATION** ANDROID.

3. **YERITH–PGI–9.0 est portable :**

   1. **sur toutes les plateformes possible ayant juste 1 compilateur C++ (MAC–OS, ETC.)**
   2. **(ANDROID–GOOGLE) grâce à l'outil `Qt-creator`.**

4. **L'utilisateur a accès de tout endroit du logiciel à 1 autre endroit en exécutant au GRAND MAXIMUM 3 actions** : **RÈGLE DE 3 CLICS**.

Annexe B

DROITS D'UTILISATION DE MON LOGICIEL DE GESTION COMMERCIALE ET FINANCIÈRE YERITH−PGI−9.0

NOTRE SYSTÈME LOGICIEL YERITH−PGI−9.0−STANDALONE EST GRATUIT DANS TOUS LES SENS DU TERME! (la version 'open−source' ne contient pas de comptabilité)

LE LOGICIEL 'YERITH−PGI−9.0−STANDALONE' VIENT À L'ÉTAT. IL NE COMPORTE AUCUNE GARANTIE, DE QUELQUE FORME QUE CE SOIT.
MERCI!!!

TOUTEFOIS NOUS INTERDISONS SON UTILISATION POUR 1 QUELCONQUE ACTIVITÉ POUVANT FAIRE PRÉVALOIR L'INJUSTICE DANS TOUS LES SENS DU TERME, **et contrevenant aux lois et règlements en vigueur du lieu où l'utilisateur se retrouve!**

DIPLOM−INFORMATIKER (UNIVERSITÄT BREMEN).
VIELEN DANK FÜR MEINE EXZELLENTE AUSBILDUNG.

TOUTEFOIS, SI VOUS RECOUREZ AUX SERVICES D'1 TIERCE PERSONNE, CE TECHNICIEN OU INGÉNIEUR, OU PROFESSEUR PEUT VOUS DEMANDER DE L'ARGENT POUR RÉMUNÉRER SON TEMPS DE TRAVAIL, et non pour l'achat du logiciel (en soit) :

1. YERITH−PGI−9.0, code source (non exécutable) :
   https://wwww.github.com/yerithd/yerith-erp-9-0
2. YERITH−PGI−9.0−SYSTEM−DAEMON, code source (non exécutable) :
   https://wwww.github.com/yerithd/yerith-erp-9-0-system-daemon

Logiciel de Gestion des Stocks et de Gestion des Ventes

(yeroth−erp−3.0)

Manuel de l'Utilisateur

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À propos de l'auteur

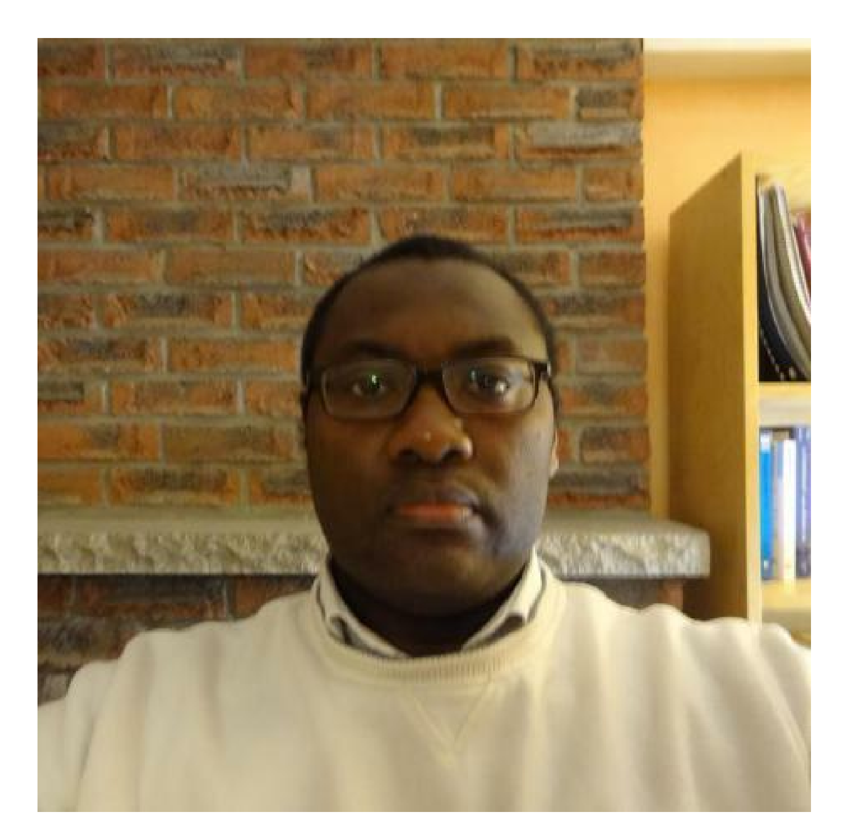


Figure 1 – Portrait de Xavier

Chapitre 1

Introduction

yeroth–erp–3.0 est un logiciel de gestion des ressources d'une entreprise commerciale **(ERP – 'Entreprise Resource Planing')**.

yeroth–erp–3.0 permet entre autres d'exécuter les tâches de l'entreprise commerciale suivantes :

1) **la gestion des achats d'articles**
2) **la gestion d'un portefeuille clients**
3) **la gestion des stocks**
   (i) **les sorties des stocks :** sortie des stocks d'une succursale pour réception par un client
   (ii) **les transferts des stocks :** mouvement des stocks d'une succursale vers une autre succursale
   (iii) les ventes des stocks.

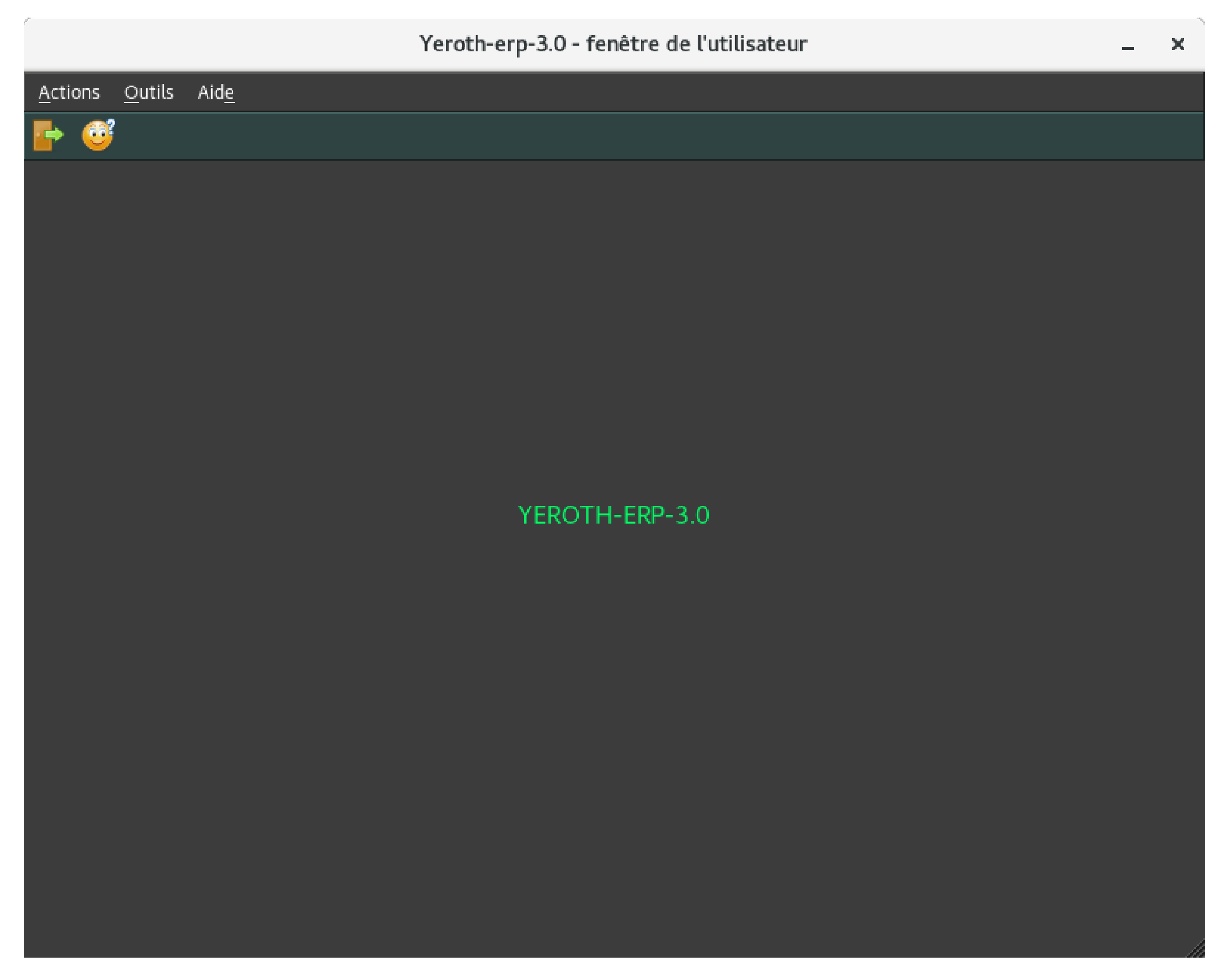


Figure 1.1 – La fenêtre d'accueil sans aucun utilisateur enregistré.

1.1 Accès au guide de l'utilisateur

La figure 1.1 illustre la fenêtre d'accueil de yeroth−erp−3.0 sans aucun utilisateur enregistré.

Il est requis qu'un utilisateur soit enregistré dans yeroth−erp−3.0 afin d'avoir accès au manuel de l'utilisateur.

L'utilisateur de yeroth−erp−3.0 doit accomplir les opérations suivantes afin d'avoir accès au manuel de l'utilisateur :

1) à partir de la fenêtre d'accueil (voir figure 1.1), cliquez sur le menu déroulant '**Aide**'
2) ensuite cliquez sur le lien '**Guide de l'utilisateur (PDF)**'.

1.2 Structure du guide de l'utilisateur

Ce manuel de l'utilisateur de yeroth−erp−3.0 est structuré comme suit :

- ✓ le chapitre 2 décrit les utilisateurs de yeroth−erp−3.0 et leurs rôles
- ✓ le chapitre 3 explicite les fonctionalités de gestion des stocks
- ✓ le chapitre **??** parle de la gestion des clients
- ✓ le chapitre **??** parle de la gestion des achats
- ✓ le chapitre 4 présente le système d'alertes sur les stocks
- ✓ le chapitre 5 décrit le point de vente
- ✓ le chapitre 6 décrit comment procéder à des mouvements de stocks
- ✓ le chapitre 7 explicite la gestion des ventes
- ✓ le chapitre 8 explicite la gestion des mouvements de stocks
- ✓ le chapitre 9 discute de la recherche et de la génération des rapports commerciaux de l'entreprise
- ✓ le chapitre 10 explique comment avoir accès aux détails de l'utilisateur enregistré, aux informations commerciales de l'entreprise, et enfin à la version de yeroth−erp−3.0 que l'on utilise
- ✓ le chapitre 11 traite de l'administration du logiciel
- ✓ le chapitre 12 discute des problèmes connues de yeroth−erp−3.0
- ✓ enfin, le chapitre 13 conclut ce manuel d'utilisation.

Chapitre 2

Les Rôles et Les Utilisateurs

Rôles ayant accès à la fonctionalité : *Administrateur* 2.2, *Caissier* 2.7, *GestionaireDeStocks* 2.5, *Magasinier* 2.6, *Manager* 2.3, *Vendeur* 2.4.

Ce chapitre décrit les différents types d'utilisateurs de yeroth−erp−3.0 *:* Administrateur*,* Caissier*,* Magasinier*,* Manager*, et* Vendeur*.*

2.1 Introduction

yeroth−erp−3.0 maintient les données suivantes pour chaque utilisateur :

1) l'émail
2) la boîte postale
3) le date de naissance
4) le lieu de naissance
5) la localisation (le site de l'entreprise où l'employé est en fonction). Cette valeur ne peut être éditée.
6) le mot de passe ***[obligatoire]***
7) les noms ***[obligatoire]***
8) le nom d'utilisateur ***[obligatoire]***
9) le numéro de téléphone 1
10) le numéro de téléphone 2
11) le pays
12) les prénoms ***[obligatoire]***
13) la province ou létat
14) le rôle dans yeroth−erp−3.0 (*Administrateur*, *Caissier*, *Magasinier*, *Manager*, ou *Vendeur*) ***[obligatoire]***
15) le titre (Dr., Me., Mlle, Mme, Mr, Pr., Prof.) ***[obligatoire]***
16) la ville

2.2 Le Rôle "Administrateur"

La figure 2.1 illustre la fenêtre d'accueil d'un utilisateur avec le rôle *Administrateur*, après qu'il se soit enregistré dans yeroth−erp−3.0.

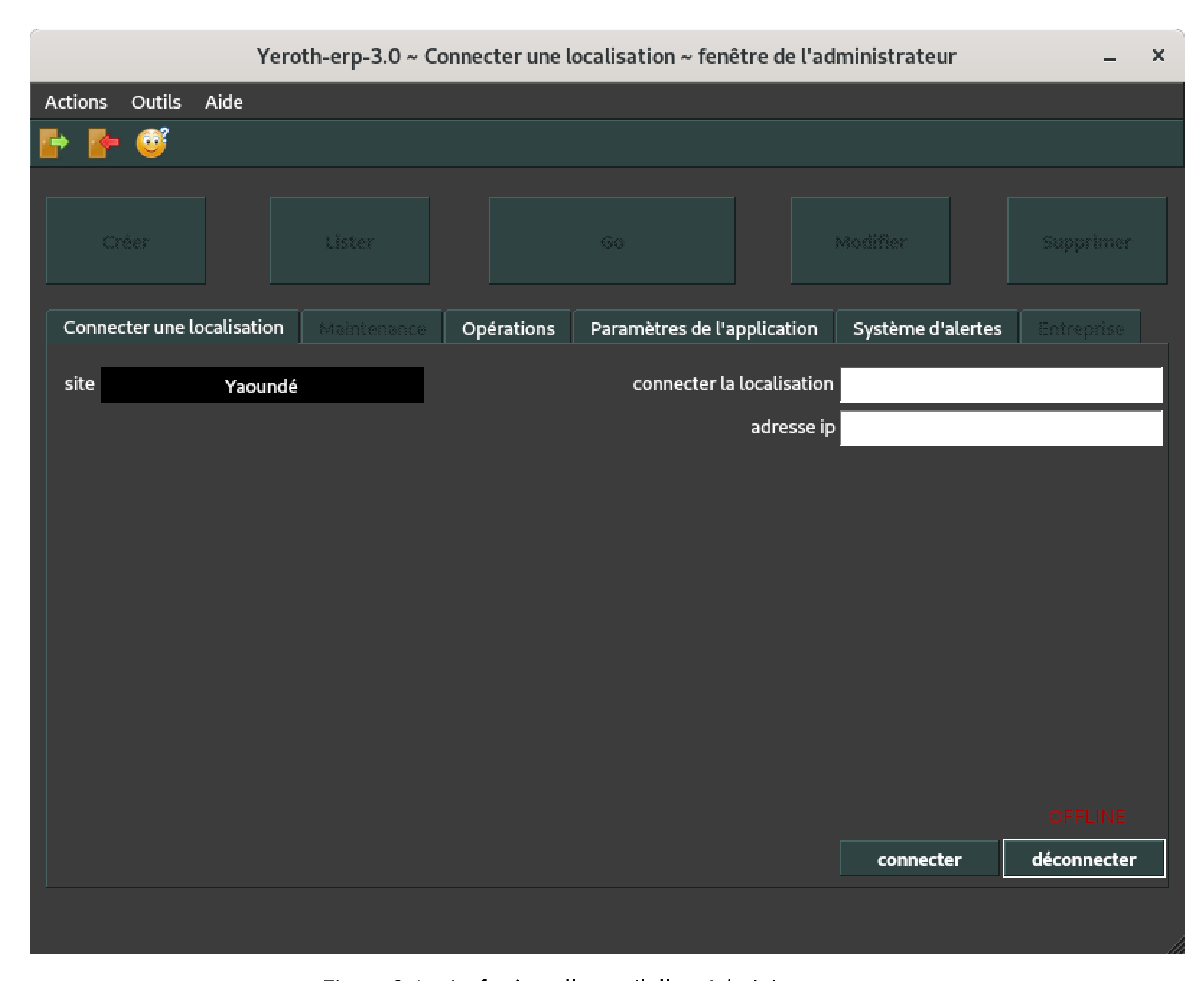


Figure 2.1 – La fenêtre d'accueil d'un *Administrateur*.

Un utilisateur avec le rôle *Administrateur* a accès aux fonctionnalités suivantes :

1) arrêter le système d'alerte
2) connecter YEROTH−PGI−3.0 à une autre localisation
3) démarrer le système d'alerte
4) modifier les paramètres de l'application
5) modifier les paramètres du système d'alerte.

Un utilisateur avec le rôle *Administrateur* assume les tâches de créer et de maintenir les objets suivants :

1) les alertes (sur une période de temps, ou sur une quantité en stock)
2) les catégories d'articles
3) les clients
4) les comptes utilisateurs
5) les fournisseurs
6) les localisations (une localisation est un site de l'entreprise où se trouve un ou plusieurs stocks).

2.3 Le Rôle "Manager"

La figure 2.2 illustre la fenêtre d'accueil d'un utilisateur avec le rôle *Manager*, après qu'il se soit enregistré dans yeroth−erp−3.0.

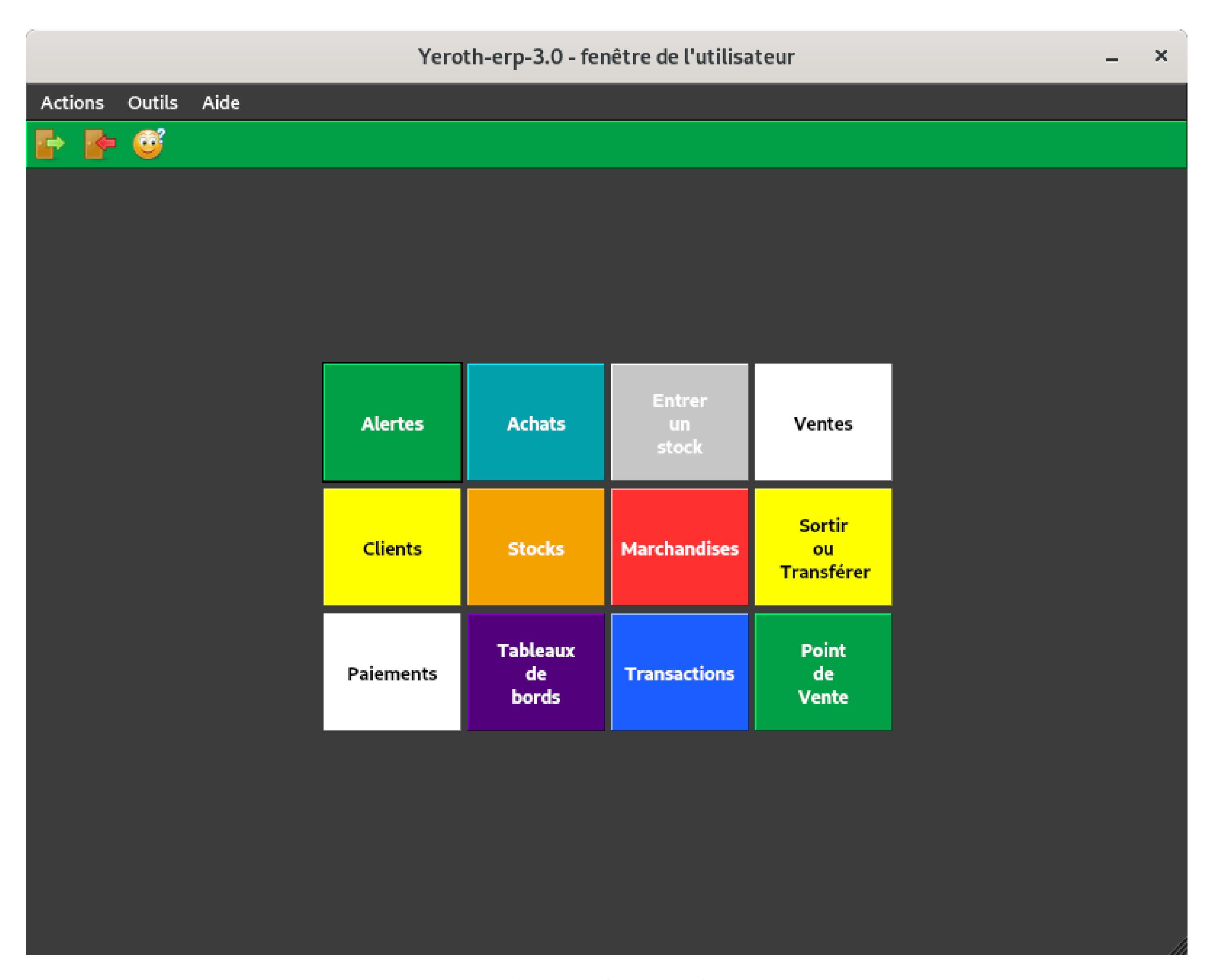


Figure 2.2 – La fenêtre d'accueil d'un *Manager*

Un utilisateur de yeroth−erp−3.0 avec le rôle *Manager* a accès aux fonctionnalités suivantes :

1) administration (voir chapitre 11)
2) gestion des achats (voir chapitre **??**)
3) gestion des clients (voir chapitre **??**)
4) gestion des stocks (voir chapitre 3)
5) gestion des ventes (voir chapitre 7)
6) mouvements de stocks (voir chapitre 8)
7) point de vente (voir chapitre 5)
8) système d'alertes (voir chapitre 4)
9) tableaux de bords (voir chapitre 9).

2.4 Le Rôle "Vendeur"

La figure 2.3 illustre la fenêtre d'accueil d'un utilisateur avec le rôle *Vendeur*, après qu'il se soit enregistré dans yeroth−erp−3.0.

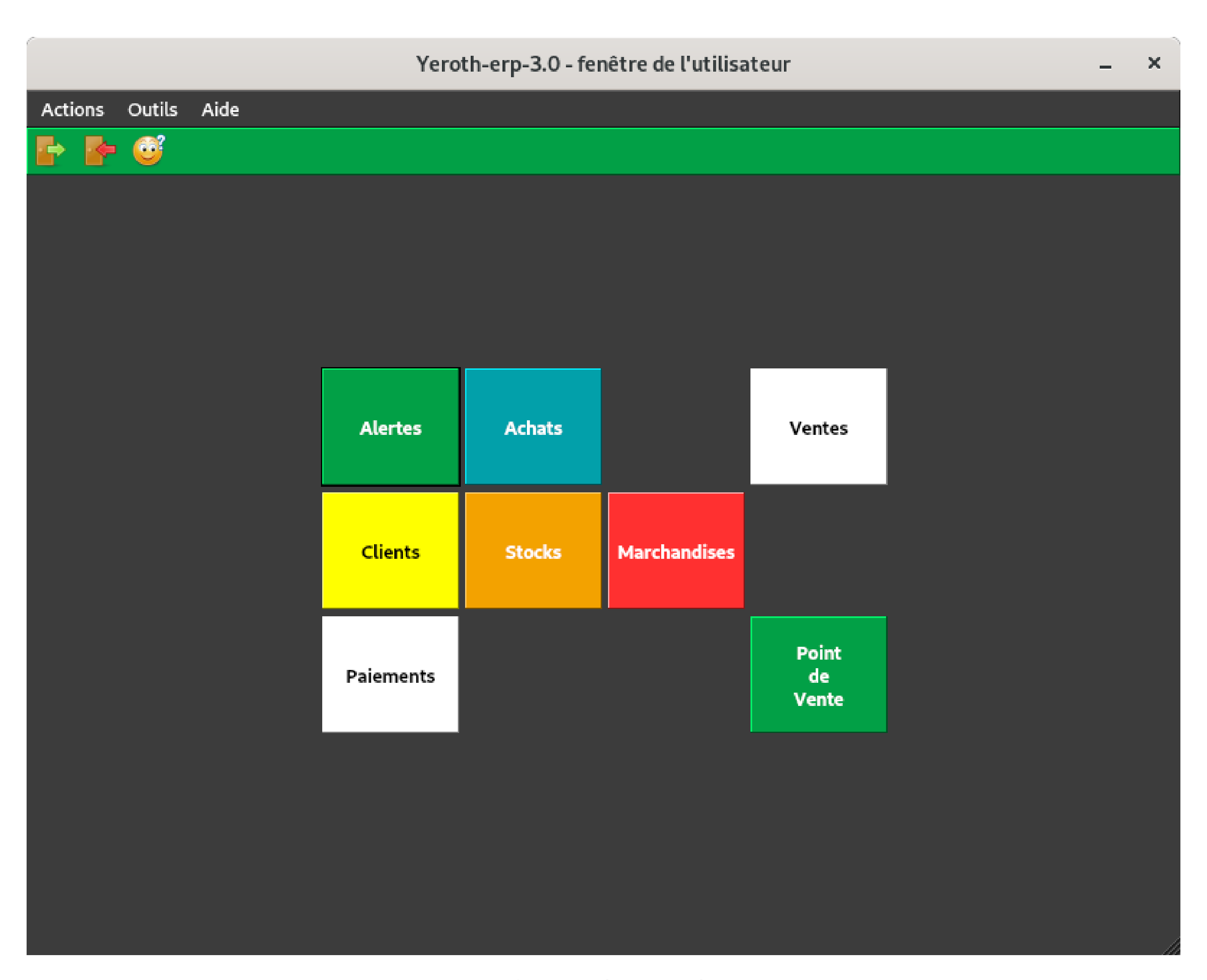


Figure 2.3 – La fenêtre d'accueil d'un *Vendeur*

Un utilisateur de yeroth−erp−3.0 avec le rôle *Vendeur* a accès aux fonctionnalités suivantes :

1) gestion des achats (voir chapitre **??**)
2) gestion des clients (voir chapitre **??**)
3) gestion des stocks (voir chapitre 3)
4) gestion des ventes (voir chapitre 7)
5) point de vente (voir chapitre 5)
6) système d'alertes (voir chapitre 4).

2.5 Le Rôle "GestionaireDeStocks"

La figure 2.4 illustre la fenêtre d'accueil d'un utilisateur avec le rôle *GestionaireDeStocks*, après qu'il se soit enregistré dans yeroth−erp−3.0.

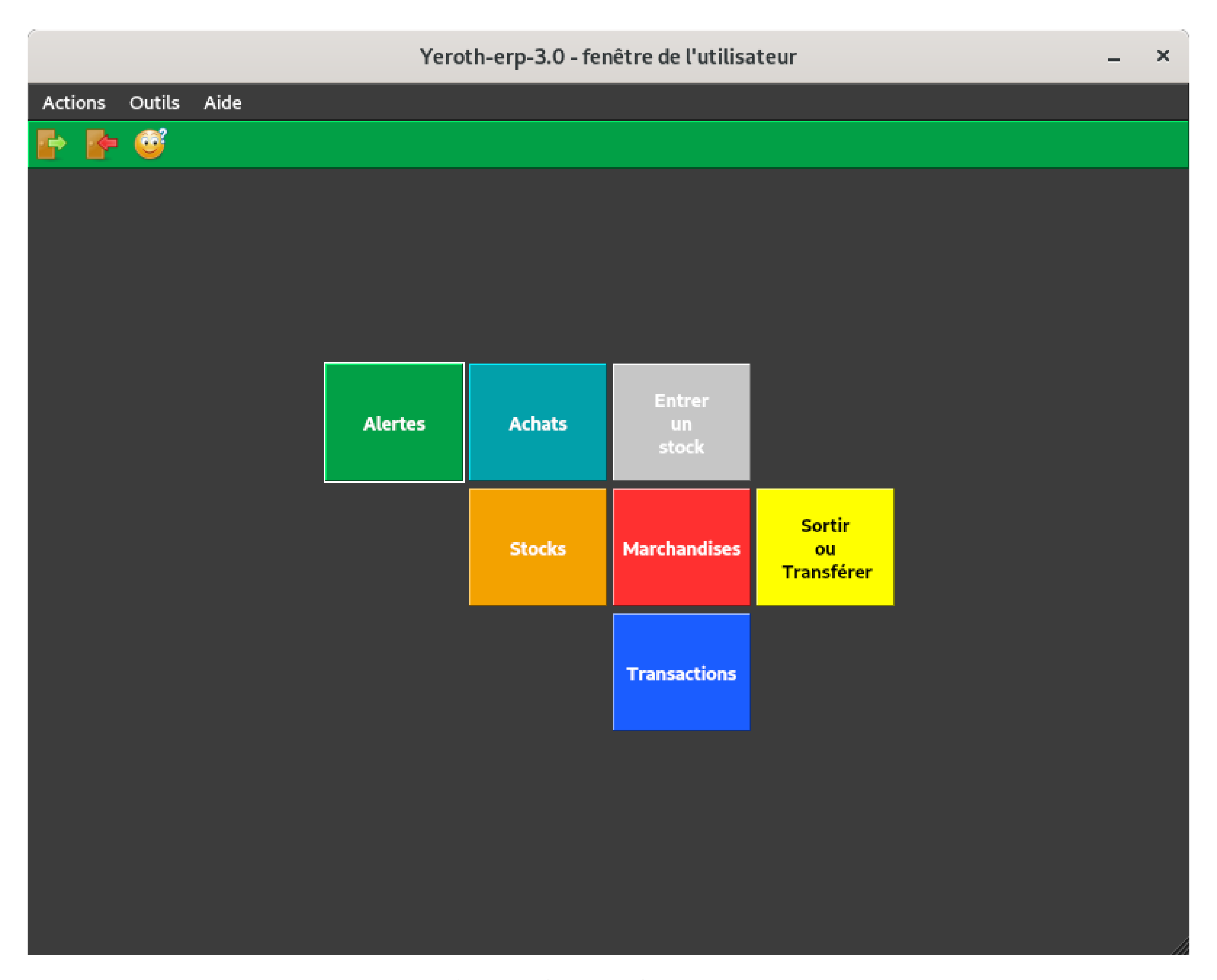


Figure 2.4 – La fenêtre d'accueil d'un *GestionaireDeStocks*

Un utilisateur de yeroth−erp−3.0 avec le rôle *GestionaireDeStocks* a accès aux fonctionnalités suivantes :

1) gestion des achats (voir chapitre **??**)
2) gestion des stocks (voir chapitre 3)
3) mouvements de stocks (voir chapitre 8)
4) système d'alertes (voir chapitre 4).

2.6 Le Rôle "Magasinier"

La figure 2.5 illustre la fenêtre d'accueil d'un utilisateur avec le rôle *Magasinier*, après qu'il se soit enregistré dans yeroth−erp−3.0.

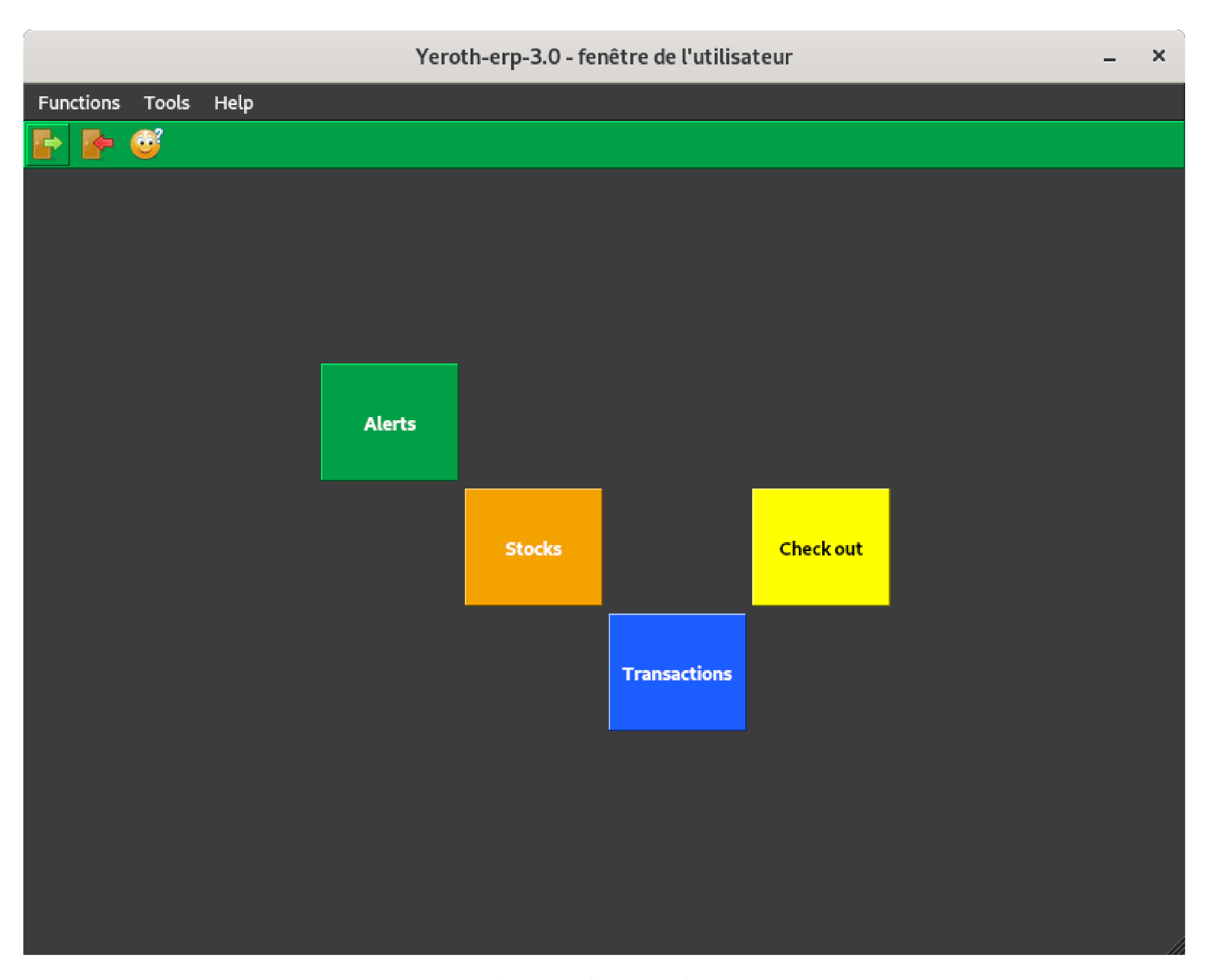


Figure 2.5 – La fenêtre d'accueil d'un *Magasinier*.

Un utilisateur de yeroth−erp−3.0 avec le rôle *Magasinier* a accès aux fonctionnalités suivantes :

1) gestion des stocks (voir chapitre 3)
2) mouvements de stocks (voir chapitre 8)
3) système d'alertes (voir chapitre 4).

2.7 Le Rôle "Caissier"

La figure 2.6 illustre la fenêtre d'accueil d'un utilisateur avec le rôle *Caissier*, après qu'il se soit enregistré dans yeroth−erp−3.0.

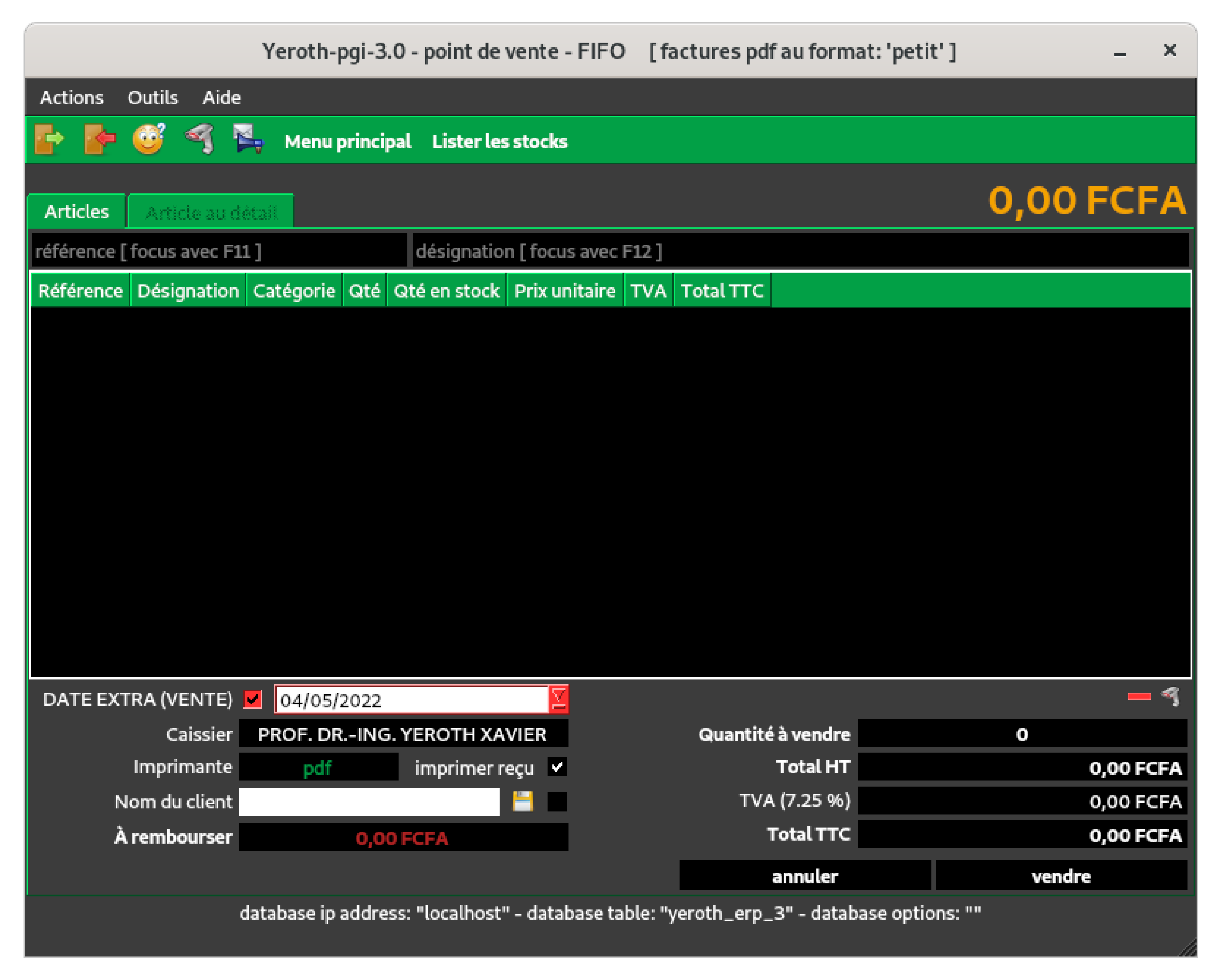


Figure 2.6 – La fenêtre d'accueil d'un *Caissier*.

Un utilisateur de yeroth−erp−3.0 avec le rôle *Caissier* a accès aux fonctionnalités suivantes :

1) point de vente (voir chapitre 5)
2) système d'alertes (voir chapitre 4).

Chapitre 3

La Gestion des Stocks

Rôles ayant accès à la fonctionalité : *Magasinier* 2.6.

Ce chapitre décrit comment avoir accès aux fonctionalités de gestion des stocks et comment les utiliser.

3.1 Introduction

Les tâches de gestion des stocks sont illustrées dans le Tableau 3.1, en fonction du rôle de l'utilisateur.

Tâches	***Manager***	***Vendeur***	***GestionaireDeStocks***	***Magasinier***	***Caissier***
entrer un stock	✓		✓		
supprimer un stock	✓				
lister les marchandises	✓	✓	✓		
lister les stocks	✓	✓	✓	✓	✓
modifier un stock	✓		✓		
transférer des stocks	✓		✓	✓	
sortir des stocks	✓		✓	✓	
modifier la stratégie de gestion des stocks (ex. : **FIFO**, etc.)	✓	partiel	partiel		
vendre des marchandises	✓	✓			✓
accéder aux mouvements des stocks	✓		✓	✓	

Table 3.1 – Tableau des tâches et des rôles associés à la gestion des stocks

3.2 Les stratégies de gestion des stocks

yeroth–erp–3.0 implémente 4 stratégies pour gérer les stocks à vendre ou à sortir :

1) **CMUP** : Cours Moyen, Unité Pondérée.
La stratégie **CMUP** affiche tous les stocks de façon (Cours Moyen, Unité Pondérée).

2) **DEF_DEO** : Date of Expiration First, Date of Expiration Out.
La stratégie **DEF_DEO** affiche les stocks à vendre ou à sortir selon le principe : les stocks avec des dates de péremption les plus proches sont les premiers à sortir.

3) **FIFO** : First In, First Out.
La stratégie **FIFO** affiche les stocks à vendre ou à sortir selon le principe "**First In, First Out**" : Les stocks avec des dates d'entrée en stock plus anciennes sont les premiers à sortir.

4) **LIFO** : Last In, First Out.
La stratégie **LIFO** affiche les stocks à vendre ou à sortir selon le principe "**Last In, First Out**" : Les stocks avec des dates d'entrée en stock plus récentes sont les premiers à sortir.

La stratégie de gestion des stocks se modifie comme suit :

- ✓ de façon permanente dans la section 'administration' de YEROTH–PGI–3.0.
- ✓ de façon temporaire (à des fins de visualitation de l'ordre des sorties de stocks) dans la fenêtre **'fiche des stocks'** de YEROTH–PGI–3.0.

3.3 Entrer un stock

yeroth−erp−3.0 entretient les données suivantes pour chaque stock :

1) la catégorie ***[obligatoire]***
2) la désignation ***[obligatoire]***
3) la date de péremption du stock
4) le fournisseur
5) la localisation du stock
6) le montant de la TVA d'un article
7) le prix de vente d'un article ***[obligatoire]***
8) la quantité intiale (nombre de lots, et quantité par lot) ***[obligatoire]***
9) la référence
10) la référence du reçu d'achat
11) le stock minimum : si cette quantité est atteinte, alors le nombre de la colonne 'Qté totale' du stock est affiché en rouge.

Il existe deux méthodes pour entrer un stock dans yeroth−erp−3.0 :

1) la **1ère méthode** est utilisée pour entrer un stock d'articles à partir d'un formulaire vide
2) la **2ème méthode** permet à l'utilisateur de réutiliser la ***catégorie***, la ***désignation***, le ***prix d'achat***, le ***prix de vente***, la ***TVA*** si existante, et la ***référence*** d'un stock de même nature déjà existant.

Les deux méthodes sont les suivantes :

✓ **1ère méthode**
À partir de la fenêtre d'accueil titré '**Yeroth−pgi−**3.0 **– fenêtre de l'utilisateur**' (voir figure 2.2), cliquez sur le boutton "**Entrer un stock**" pour obtenir un formulaire vide afin d'entrer en stock. Le formulaire obtenu est illustré dans la figure 3.1.

Si vous entrez la référence d'un article qui existe déjà dans le stock, les informations suivantes sont automatiquement remplies :

1) la ***désignation***
2) la ***catégorie***

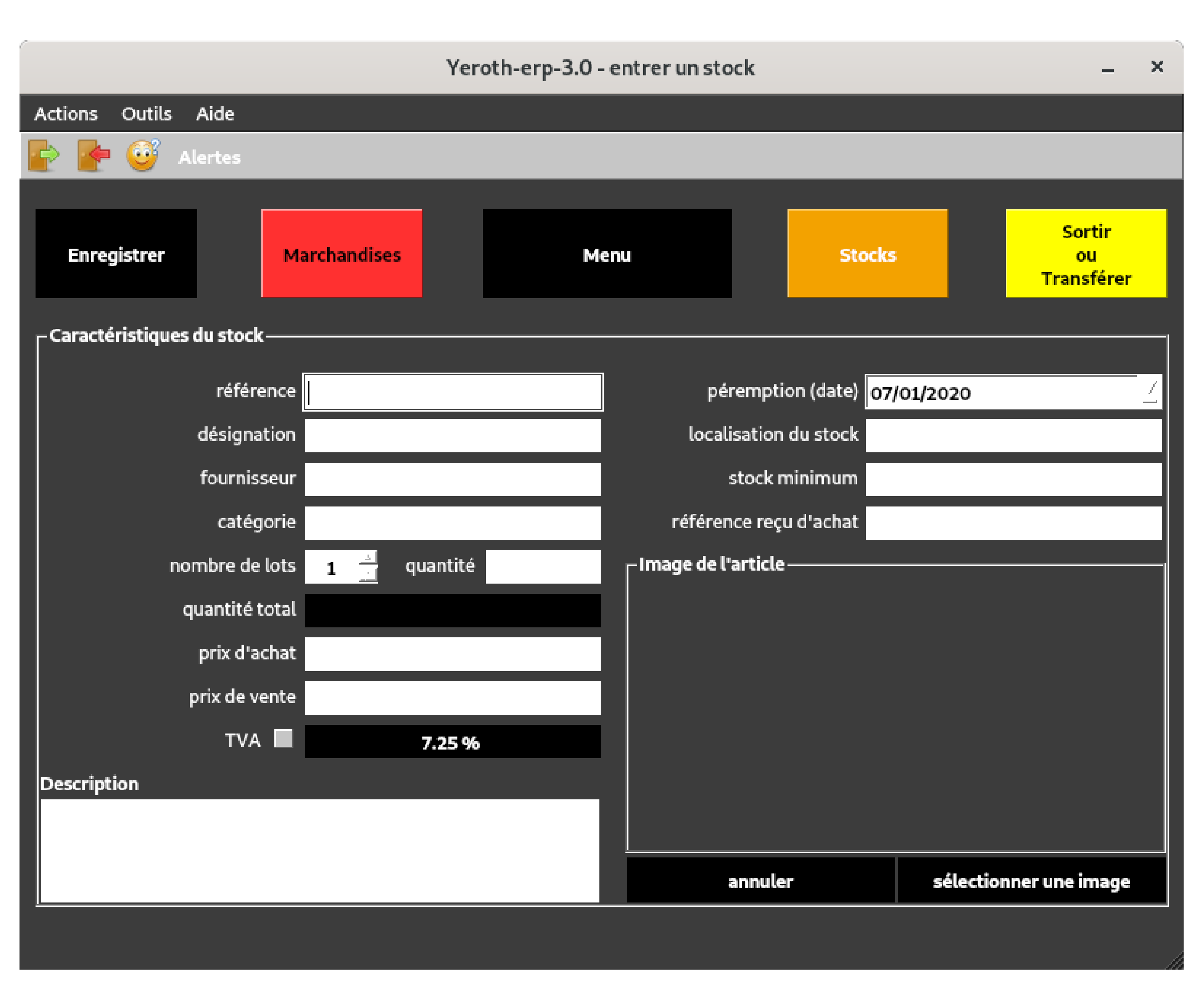


Figure 3.1 – Le formulaire vide pour entrer un stock.

✓ 2ème **méthode**

1) À partir de la fenêtre d'accueil (voir figure 2.2), cliquez sur le boutton "**Stocks**"
2) ensuite, sélectionnez un stock en cliquant dessus une fois
3) enfin, cliquez sur le le boutton "**Entrer un stock**".

Là vous obtenez un formulaire partiellement rempli avec les données réutilisables du stock sélectionné. Le formulaire que vous obtenez est celui de la figure 3.2.

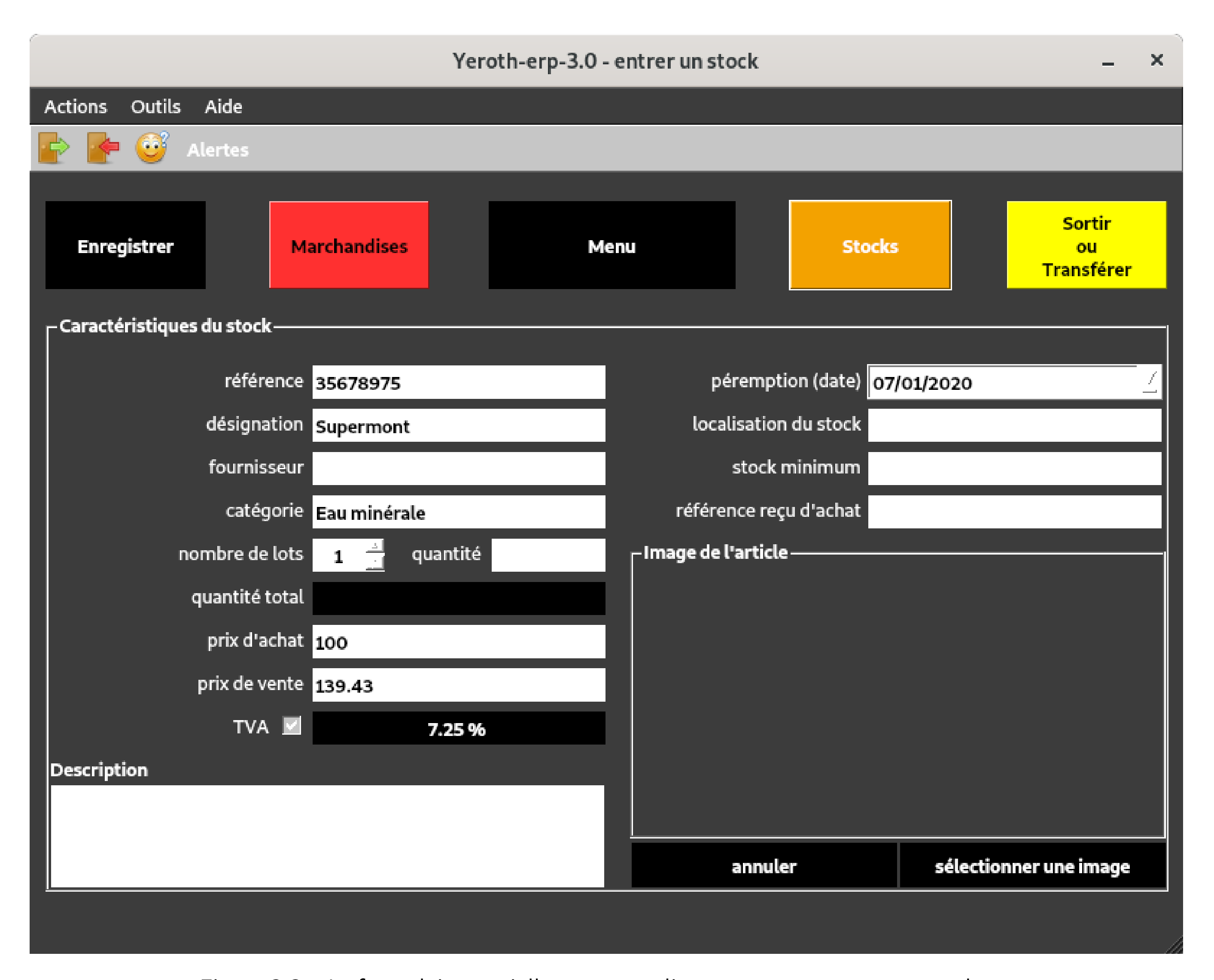


Figure 3.2 – Le formulaire partiellement rempli pour entrer un nouveau stock.

3.4 Lister des stocks

La figure 3.3 illustre la fenêtre d'accueil de yeroth−erp−3.0 pour lister les stocks.

Le titre de cette fenêtre explicite la stratégie de gestion des stocks utilisée pour vendre ou sortir des articles : **CMUP**.

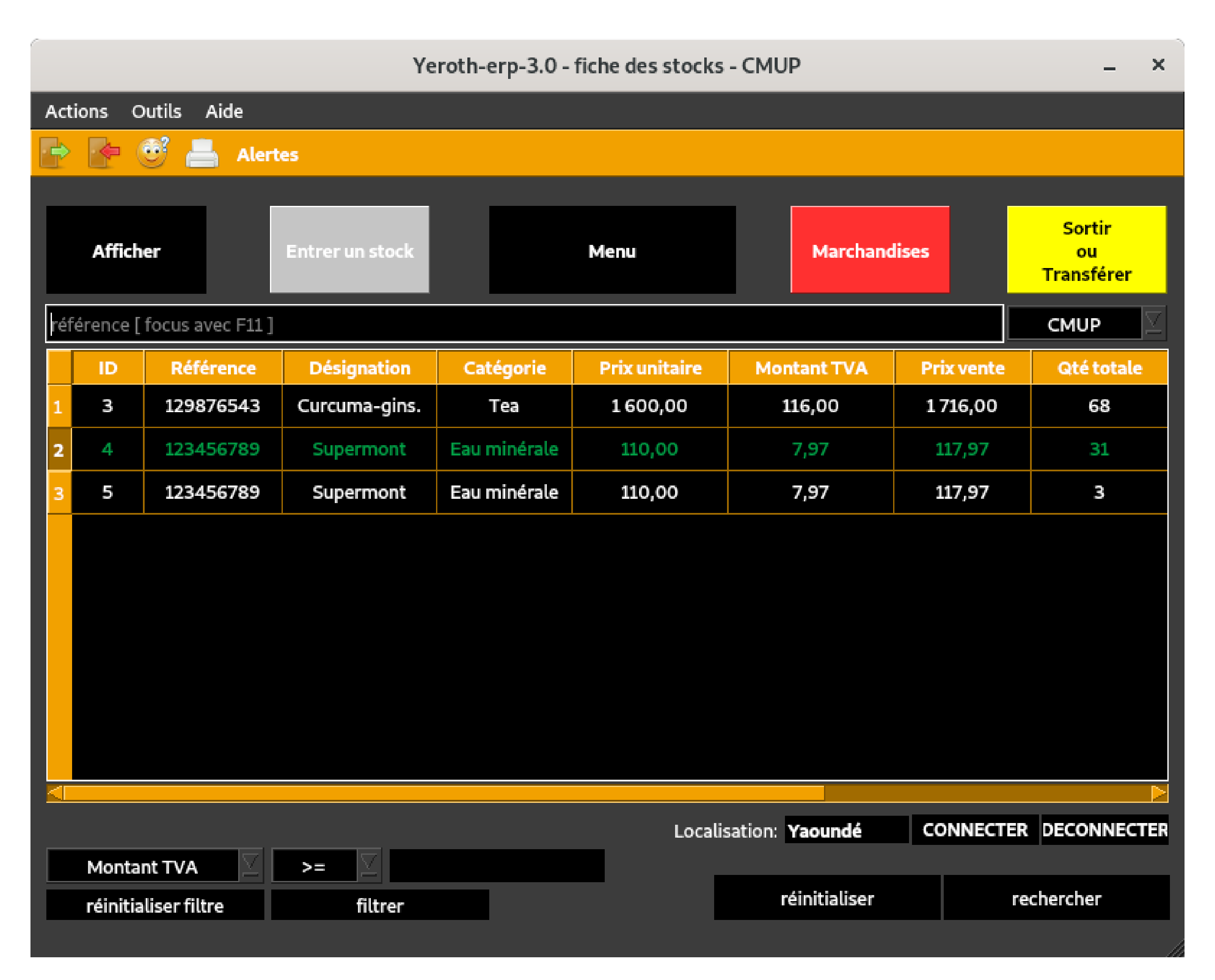


Figure 3.3 – La fenêtre pour lister les stocks.

À partir d'une fenêtre quelconque qui y donne accès, l'accès à la fonctionnalité, 'Lister des stocks' se fait avec au moins l'une des méthodes suivantes :

✓ 1ère **méthode**
cliquez sur le lien "**Lister des stocks**" dans le menu déroulant **Actions**

✓ 2ème **méthode**
cliquez sur le bouton "**Stocks**".

3.4.1 Les stocks listés en rouge

Les stocks listés en rouge dans la colonne "Qté totale" sont ceux dont la quantité minimale en stock a été atteinte.

Les stocks listés en rouge dans la colonne "Date péremption" sont ceux dont la date de péremption a été atteinte.

3.4.2 Les stocks listés en vert

Les stocks listés en vert dans la colonne "Date péremption" sont ceux qui ont été sélectionnés pour la vente par l'algorithme correspondant : **DEF_DEO**.

Les stocks listés en vert dans la colonne ”Date entrée” sont ceux qui ont été sélectionnés pour la vente par lun des algorithmes suivants : **FIFO**, **LIFO**.

3.5 Imprimer la fiche des stocks au format PDF

Il existe deux méthodes pour imprimer la liste des stocks qui apparaît dans la fenêtre titrée '**Yeroth-erp-3.0 - Lister des stocks**'.

✓ 1ère **méthode**

Cliquez sur le lien '**Imprimer la fiche des stocks**' qui se trouve dans le menu déroulant '**Outils**'

✓ 2ème **méthode**

Cliquez sur l'icône blanche représentant une 'imprimante'

✓ 3ème **méthode**

Pressez simultanément les boutons "**CTRL**" et "**P**" de votre clavier.

Un fichier au format PDF ayant la liste des stocks affichée est alors généré.

3.6 Rechercher un article ou un stock

Il existe deux métodes pour rechercher un article / stock :

✓ 1ère **méthode**

1) cliquez sur le bouton "**rechercher**"
2) ou bien cliquez sur le lien '**Rechercher un article**' dans le menu déroulant **Outils**.

L'utilisateur est alors conduit vers une petite fenêtre de dialogue ou il peut introduire les mots clés de sa recherche, ainsi que les paramètres optionels suivants : la ***catégorie du stock***, la ***désignation du stock*** et le ***fournisseur du stock***. Ceci est illustré dans la figure 3.4.

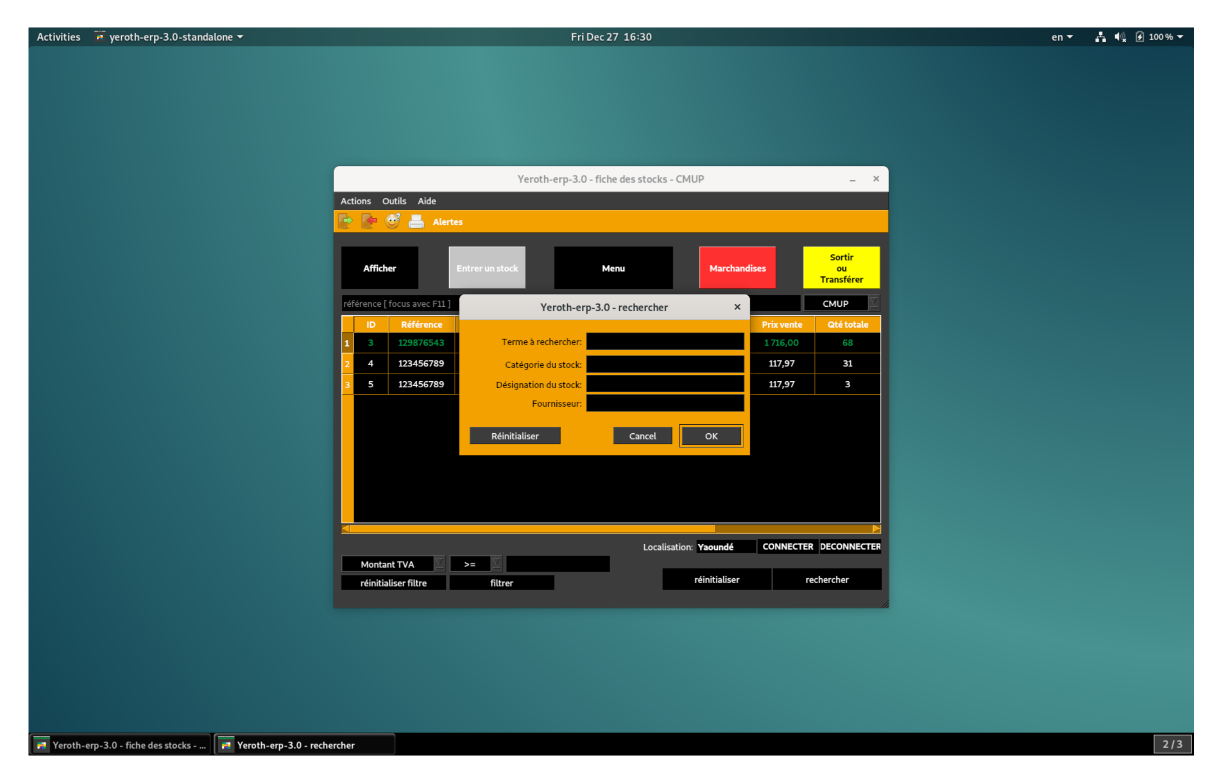


Figure 3.4 – La fenêtre pour rechercher un stock (ou un article).

Pour une recheche efficace, les mots clés doivent être des mots ou parcelle de mots qui apparaîssent dans les endroits suivant :

1) la catégorie du stock
2) la désignation du fournisseur
3) la désignation du stock
4) les mots qui ont été introduits dans le champs de texte '**Description**' qui apparaît lorsque l'on entre un nouveau stock (voir par example le figure 3.2).

✓ 2ème méthode
L'utilisateur peut aussi entrer la référence du stock recherché dans le champs de recherche situé juste en dessous des boutons suivants : "**Afficher**", "**Entrer un nouveau stock**", "**Menu**", "**Modifier**", et "**Sortir**".

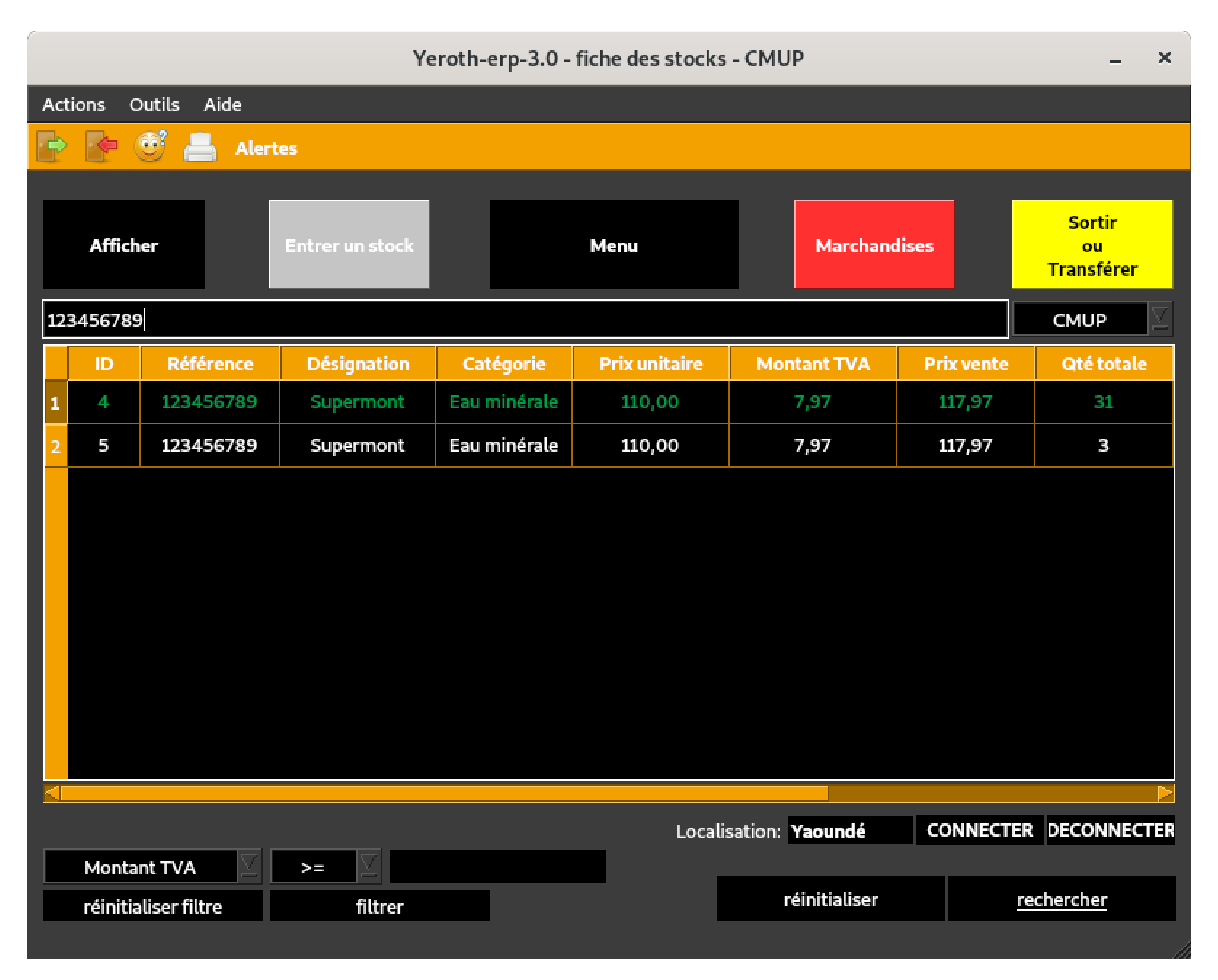


Figure 3.5 – Le champs de texte pour rechercher les stocks (ou articles) en utilisant seulement leur référence.

Ceci est illustré dans la figure 3.5 où les stocks ayant la référence '**123456789**' ont été recherchés.

Lorsqu'une recherche de stocks (ou d'articles) est active, le mot 'rechercher' du bouton "**rechercher**" et le lien '**Rechercher un article**' dans le menu déroulant '**Outils**' sont soulignés.

Le bouton "**réinitialiser**" ou le lien '**Réinitialiser la recherche**' dans le menu déroulant '**Outils**' permettent de déactiver la recherche et ainsi d'afficher tous les stocks à nouveau.

3.7 Afficher les détails d'un stock

La figure 3.6 illustre les détails du stock '**Supermont**'.

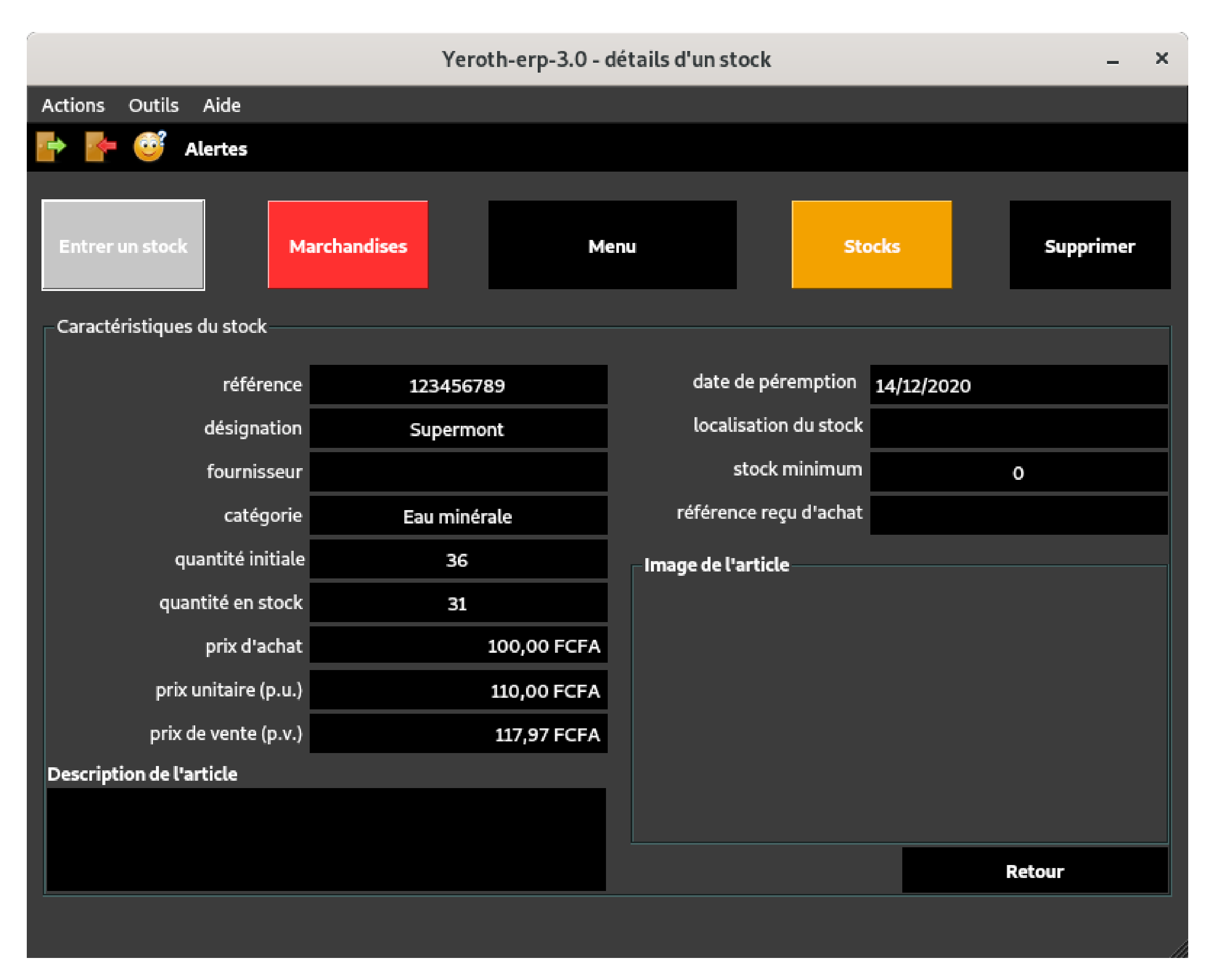


Figure 3.6 – Une fenêtre qui présente les détails d'un stock.

Il existe trois méthodes pour afficher les détails d'un stock :

✓ 1ère **méthode**

1) sélectionnez le stock dont vous souhaitez afficher les détails en cliquant une fois sur lui à partir de la fenêtre '**fiche des stocks**'
2) cliquez ensuite sur le bouton "**Afficher**".

✓ 2ème **méthode**

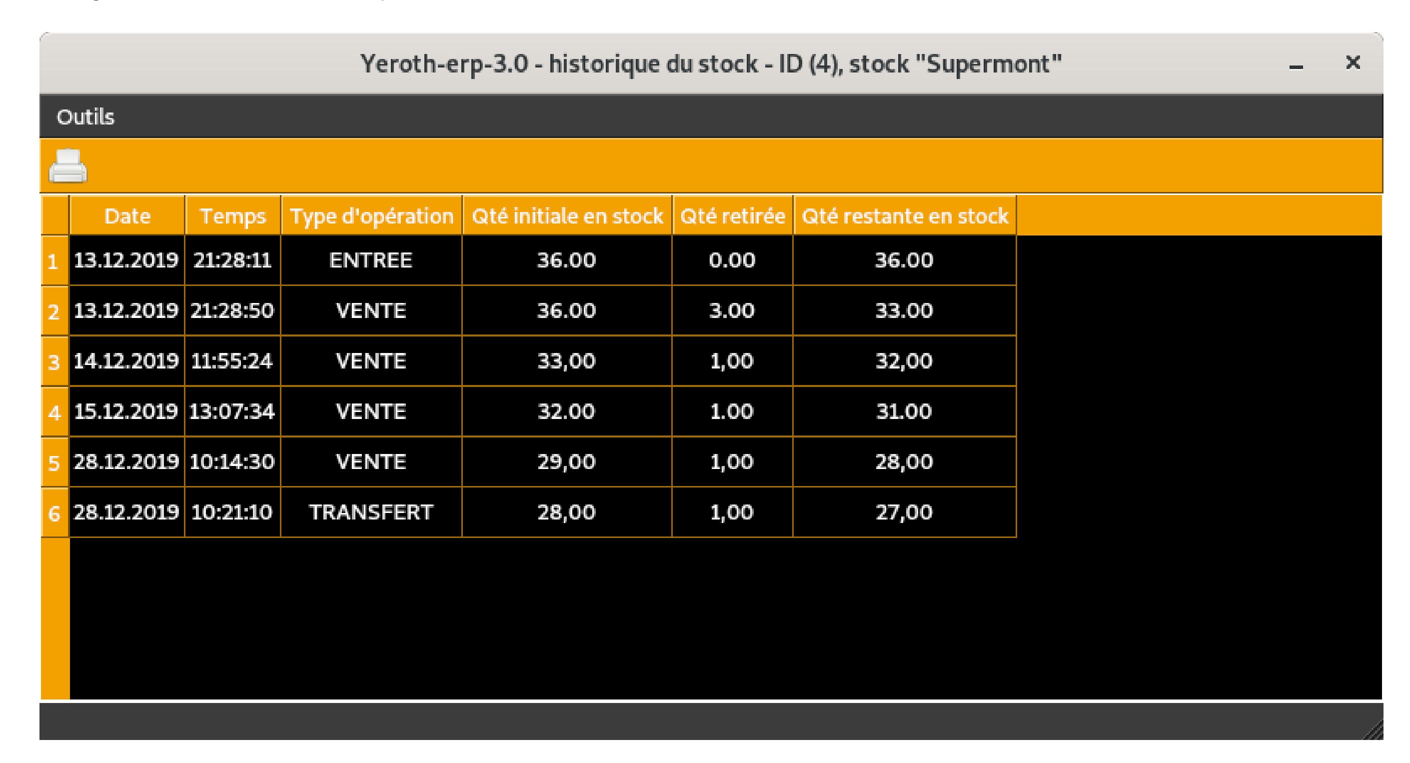
1) sélectionner le stock dont vous souhaitez afficher les détails en cliquant une fois sur lui à partir de la fenêtre '**fiche des stocks**'
2) cliquer ensuite sur le lien '**Afficher les détails de ce stock**' du menu déroulant **Actions**.

✓ 3ème **méthode**

1) sélectionner le stock dont vous souhaitez afficher les détails en cliquant une fois sur lui à partir de la fenêtre '**fiche des stocks**'
2) maintener l'indexeur de la souris sur le stock sélectionner et ensuite cliquer sur le bouton droit de la souris
3) un menu déroulant s'affiche, cliquer sur le lien '**Afficher les détails de ce stock**' du menu déroulant qui s'est affiché.

3.8 Consulter l’historique d’un stock

La figure 3.7 illustre l’historique d’un stock.



	Date	Temps	Type d'opération	Qté initiale en stock	Qté retirée	Qté restante en stock
1	13.12.2019	21:28:11	ENTREE	36.00	0.00	36.00
2	13.12.2019	21:28:50	VENTE	36.00	3.00	33.00
3	14.12.2019	11:55:24	VENTE	33,00	1,00	32,00
4	15.12.2019	13:07:34	VENTE	32.00	1.00	31.00
5	28.12.2019	10:14:30	VENTE	29,00	1,00	28,00
6	28.12.2019	10:21:10	TRANSFERT	28,00	1,00	27,00

Figure 3.7 – L’historique d’un stock.

✓ **1ère méthode**

1) sélectionner le stock dont vous souhaitez consulter l’historique en cliquant sur lui avec le boutton gauche de la souris à partir de la fenêtre ’**fiche des stocks**’
2) cliquer ensuite sur le lien ’**Afficher l’historique de ce stock**’ du menu déroulant **Actions**.

✓ **2ème méthode**

1) sélectionner le stock dont vous souhaitez consulter l’historique en cliquant sur lui avec le boutton droit de la souris à partir de la fenêtre ’**fiche des stocks**’
2) cliquer ensuite sur le lien ’**Afficher l’historique de ce stock**’ du menu contextuel qui s’est affiché.

L’historique du stock peut être imprimé au format PDF en cliquant sur l’icône représentant une imprimante.

3.9 Modifier les détails d'un stock

La figure 3.8 illustre la fenêtre pour modifier les détails du stock '**Cola**'.

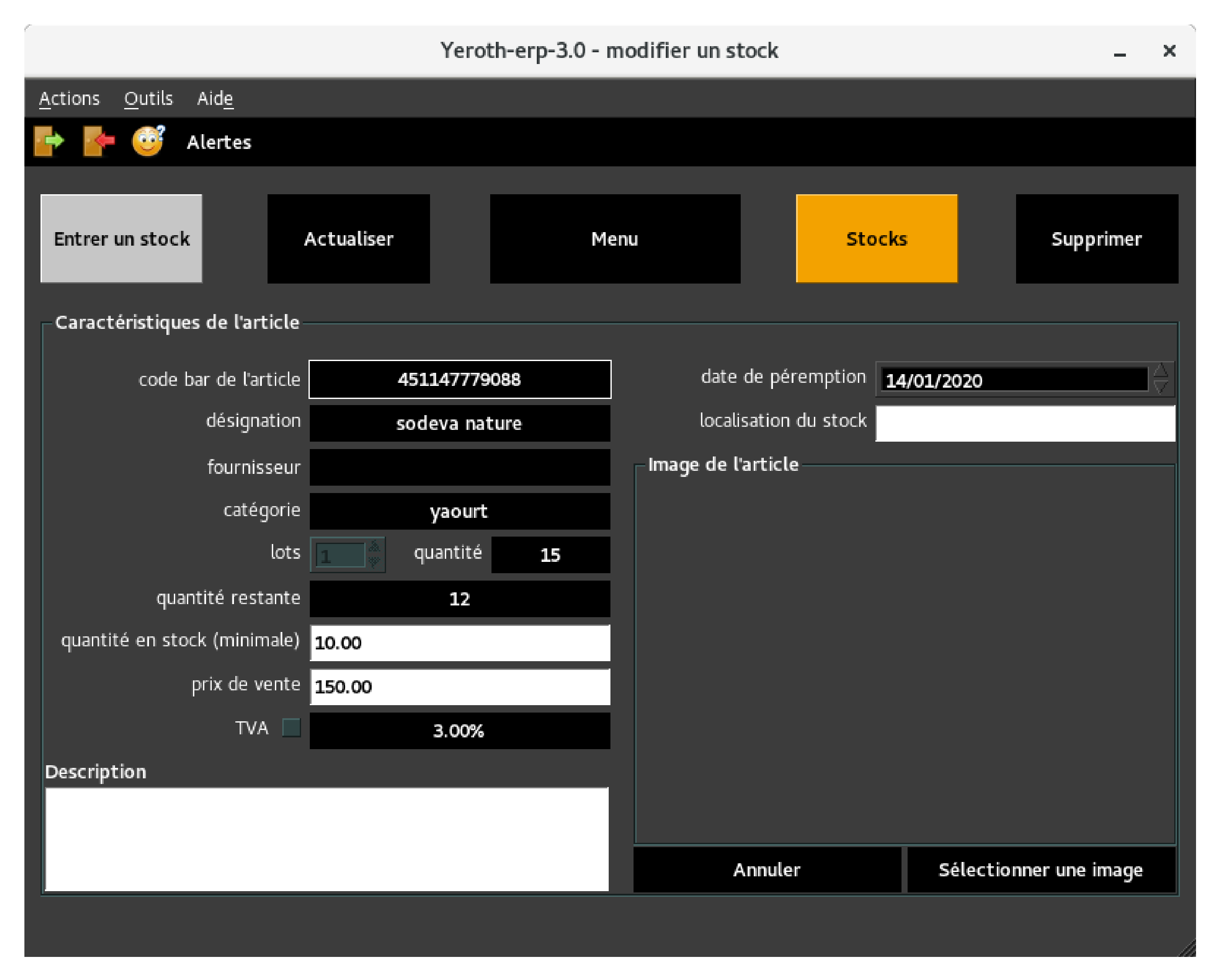


Figure 3.8 – Une fenêtre qui permet la modification des détails d'un stock.

Seul les informations suivantes d'un stock peuvent être modifiées :

1) la date de péremption des articles du stock
2) la quantité minimale en stock
3) le prix de vente d'un article du stock.

Il existe trois méthodes pour modifier les détails d'un stock :

✓ **1ère méthode**

1) sélectionner le stock dont vous souhaitez modifier les détails en cliquant une fois sur lui à partir de la fenêtre '**fiche des stocks**'
2) cliquer ensuite sur le bouton "**Modifier**".

✓ **2ème méthode**

1) sélectionner le stock dont vous souhaitez modifier les détails en cliquant une fois sur lui à partir de la fenêtre '**fiche des stocks**'
2) cliquer ensuite sur le lien '**Modifier ce stock**' du menu déroulant **Actions**.

✓ **3ème méthode**

1) sélectionner le stock dont vous souhaitez modifier les détails en cliquant une fois sur lui à partir de la fenêtre '**fiche des stocks**'

2) maintener l’indexeur de la souris sur le stock sélectionné et ensuite cliquer sur le bouton droit de la souris
3) un menu déroulant s’affiche, cliquer sur le lien ’**Modifier ce stock**’ du menu déroulant qui s’est affiché.

3.10 Visualiser les articles / stocks périmés

La figure 3.9 illustre que la date de péremption du stock 'Cola' (22 Février 2017) est dépassée.

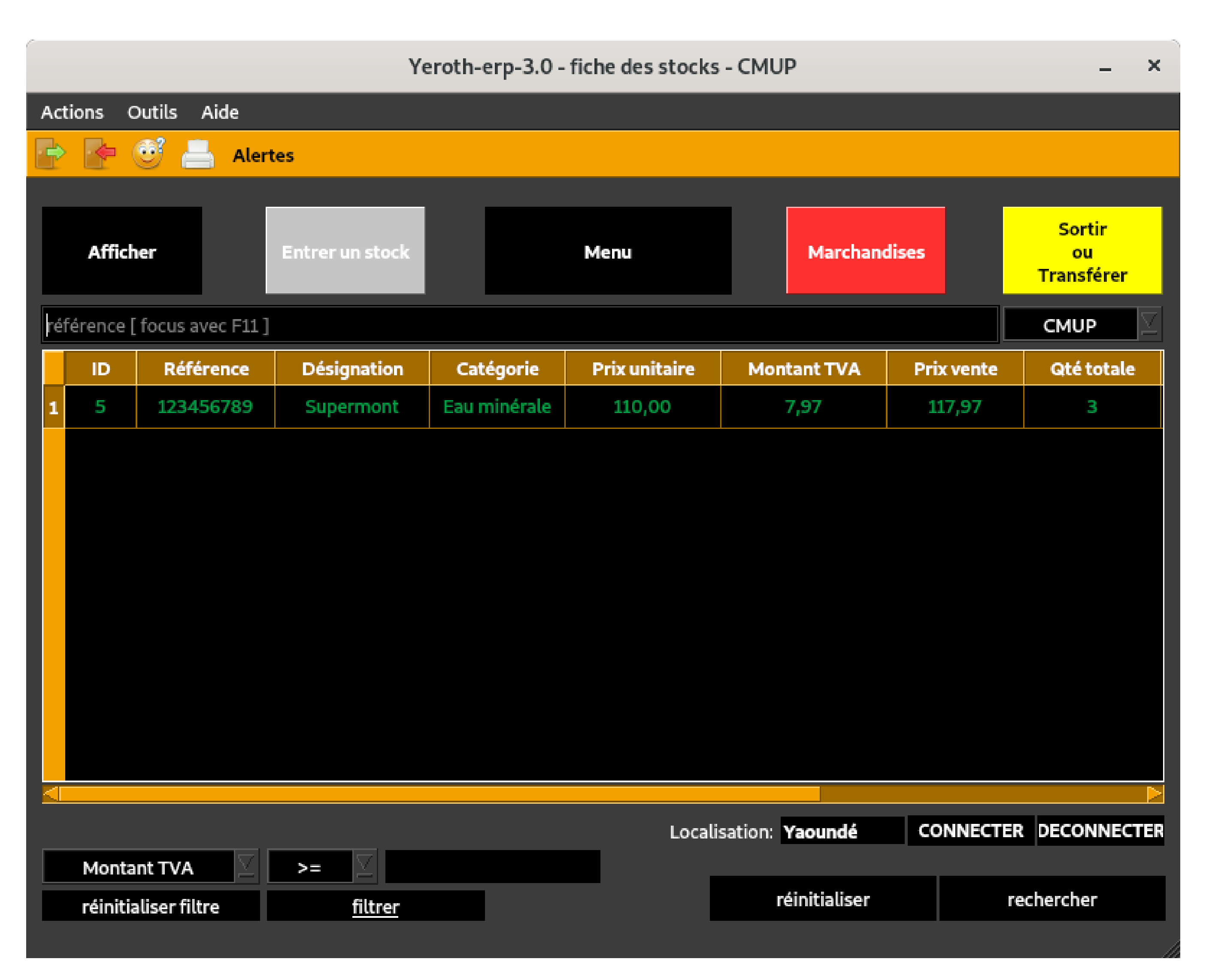


Figure 3.9 – Le stock 'Cola' est périmé.

On visualise les stocks périmés en allant à la fenêtre '**fiche des stocks**'.

Tous les stocks dont la colonne '**Date de péremption**' est affichée en **rouge** sont périmés.

3.11 Visualiser les stocks dont la quantité minimale en stock est atteinte

L'utilisateur de yeroth–erp–3.0 peut définir une quantité minimale pour un stock : c'est *le nombre d'articles du stock en dessous duquel l'entreprise ne devrait pas se retrouver*.

La figure 3.10 illustre que la quantité minimale de 50 articles du stock 'Cola' est atteinte.

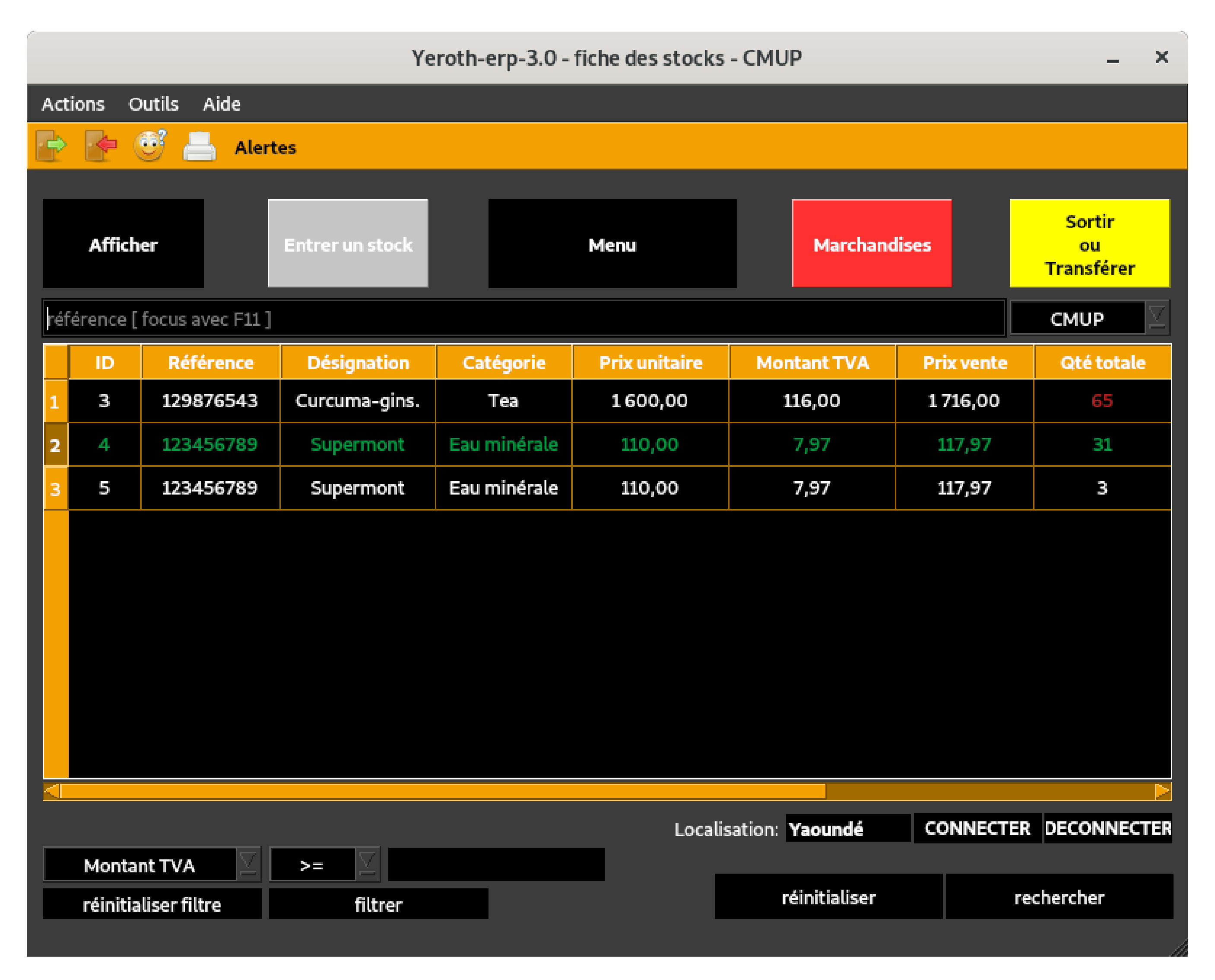


Figure 3.10 – La quantité minimale du stock 'Cola' est atteinte.

On visualise les stocks dont la quantité minimale en stock est atteinte en allant à la fenêtre '**fiche des stocks**'.

Tous les stocks dont la colonne '**Quantité en stock**' est affichée en **rouge** ont leur quantité minimale en stock déjà ateinte.

3.12 Supprimer un stock

Il existe deux métodes pour supprimer un stock :

✓ **1ère méthode**

1) sélectionner le stock à supprimer partir de la fenêtre '**fiche des stocks**'
2) cliquer ensuite sur le lien '**Supprimer ce stock**' dans le menu déroulant **Actions**.

✓ **2ème méthode**

1) sélectionner le stock à supprimer partir de la fenêtre '**fiche des stocks**'
2) maintener l'indexeur de la souris sur le stock sélectionné et ensuite cliquer sur le bouton droit de la souris
3) un menu déroulant s'affiche, cliquer sur le lien '**Supprimer ce stock**' du menu déroulant qui s'est affiché.

Le stock supprimé n'est plus affiché.

Chapitre 4

Le Système d'Alertes sur les Stocks

Rôles ayant accès à la fonctionnalité : *Administrateur* 2.2, *Caissier* 2.7, *Magasinier* 2.6, *Manager* 2.3.

Ce chapitre décrit comment créer, lister, modifier, et supprimer les alertes sur les stocks.

4.1 Introduction

Le programme qui implémente le système d'alertes de yeroth–erp–3.0 s'appelle "**yeroth-erp-3-0-system-daemon**".

yeroth–erp–alert–3.0 est configuré pour démarrer en tant que "**processus en arrière plan**" lors du démarrage de l'ordinateur.

La figure 4.1 présente l'interface graphique de yeroth–erp–3.0 pour créer une alerte.

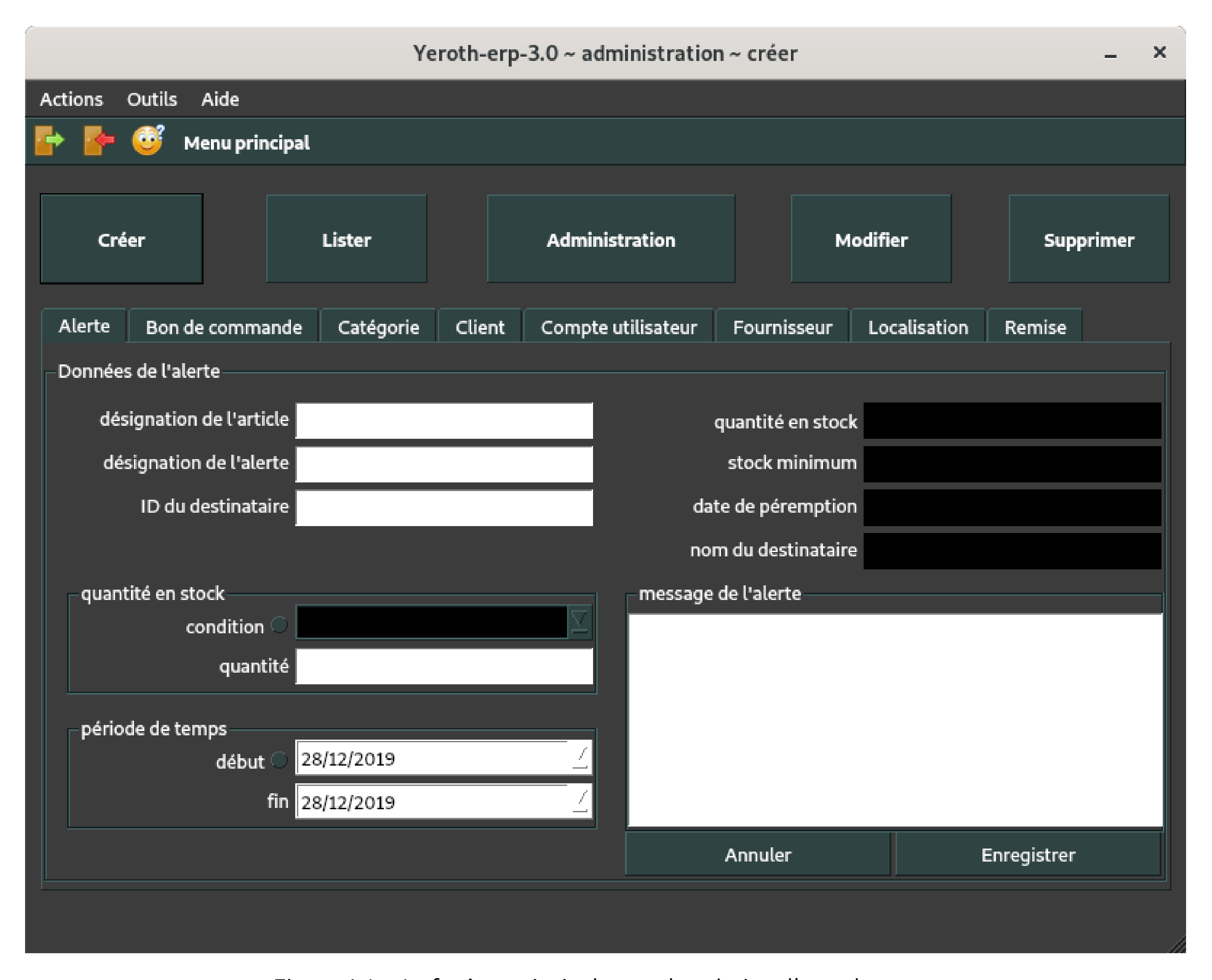


Figure 4.1 – La fenêtre principale pour la création d'une alerte.

le système d'alertes sur les stocks permet aux utilisateurs de contrôler *les dates de péremption des stocks*, ainsi que *les quantités d'articles en stock*.

yeroth−erp−3.0 définit deux types d'alertes sur les stocks :

1) **les alertes sur une quantité en stock**
2) **les alertes sur une période de temps**.

L'interface de yeroth−erp−3.0 pour créer des alertes a deux *boutons de radio* [1] :

1) le bouton de radio 'quantité en stock'
2) le bouton de radio 'période de temps'.

1. les boutons de radio permettent de faire des choix exclusifs

4.2 Créer une alerte sur une quantité en stock

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**créer**' dans le '*combo box opérations*'.
3) Choisir '**une alerte**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre illustrée sur la figure 4.1.
4) Il est préférable pour de d'abord choisir le stock pour lequel une alerte doit être créer. Pour cela il faut choisir sa désignation dans le champs de texte '**désignation de l'article**', qui possède un menu auto-déroulant.

   Les informations des champs de textes situées à droite du champs de texte '**désignation de l'article**' sont non modifiables et affichent des valeurs en fonction du stock de l'article sélectionné :

   1) quantité en stock
   2) quantité minimale (stock)
   3) date de péremption.

   Ces informations aident à paramétrer l'alerte.
5) Donner une désignation à l'alerte en remplissant le champs de texte '**désignation de l'alerte**'.
6) Choisir un destinataire qui recevra le message de l'alerte lorsque celle-ci sera déclenchée. Ceci se fait dans le champs de texte '**ID du destinataire**', qui possède un menu auto-déroulant.

   Le nom complet du destinataire est affiché automatiquement dans le champs de texte '**nom du destinataire**', qui est situé juste à droite du champs de texte '**ID du destinataire**'.
7) Choisir le type d'alerte : **quantité en stock** en cliquant sur la bouton radio '**condition**' et en *saisissant un nombre dans le champs de texte '**quantité**'*.
8) Remplir le champs de texte '**Message de l'alerte**'. C'est ce message qui sera envoyé au destinataire de l'alerte lorsque celle-ci sera déclenchée.
9) Achever la procédure en cliquant sur le bouton "**Valider**".

4.3 Créer une alerte sur une période de temps

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**créer**' dans le '*combo box opérations*'.
3) Choisir '**une alerte**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre illustrée sur la figure 4.1.
4) Il est préférable pour de d'abord choisir le stock pour lequel une alerte doit être créer. Pour cela il faut choisir sa désignation dans le champs de texte '**désignation de l'article**', qui possède un menu auto-déroulant.

   Les informations des champs de textes situées à droite du champs de texte '**désignation de l'article**' sont non modifiables et affichent des valeurs en fonction du stock de l'article sélectionné :

   1) quantité en stock
   2) quantité minimale (stock)
   3) date de péremption.

   Ces informations aident à paramétrer l'alerte.
5) Donner une désignation à l'alerte en remplissant le champs de texte '**désignation de l'alerte**'.
6) Choisir un destinataire qui recevra le message de l'alerte lorsque celle-ci sera déclenchée. Ceci se fait dans le champs de texte '**ID du destinataire**', qui possède un menu auto-déroulant.

   Le nom complet du destinataire est affiché automatiquement dans le champs de texte '**nom du destinataire**', qui est situé juste à droite du champs de texte '**ID du destinataire**'.
7) Choisir le type d'alerte : **période de temps** en cliquant sur la bouton radio '**début**' et en choisissant *les dates de début et de fin de la période de temps pendant laquelle l'alerte sera active.*
8) Remplir le champs de texte '**Message de l'alerte**'. C'est ce message qui sera envoyé au destinataire de l'alerte lorsque celle-ci sera déclenchée.
9) Achever la procédure en cliquant sur le bouton "**Valider**".

4.4 Voir toutes les alertes qu'un utilisateur a reçu *

* : Cette fonctionalité est exclusivement réservée aux utilisateurs *Manager*.

Pour voire toutes les alertes qui lui sont destinées, l'utilisateur doit accomplir les actions suivantes à partir de toutes fenêtre ayant le lien '**Alertes**' dans sa barre de menu :

1) cliquer sur le lien '**Alertes**' qui est situé dans la barre de menu. Ce lien se retrouve dans toutes les fenêtres concernant la gestion des stocks
2) un utilisateur a aussi accès aux alertes qui lui sont destinées en cliquant sur le lien '**Alertes**' que l'on retrouve dans le menu déroulant **Outils**.

4.5 Voir les détails d'une alerte

L'utilisateur doit accomplir les actions suivantes à partir de toutes fenêtre ayant le lien '**Alertes**' dans sa barre de menu :

1) cliquer sur le lien '**Alertes**' qui est situé dans la barre de menu. Ce lien se retrouve dans toutes les fenêtres concernant la gestion des stocks
2) ensuite, sélectioner dans l'onglet '**Alertes**' l'alerte dont vous souhaiter voire les détails
3) enfin, cliquer 2 fois consécutives sur cette alerte.

4.6 Marquer une alerte comme résolue *

* : Cette fonctionalité est exclusivement réservée aux utilisateurs *Manager*.

L'utilisateur doit accomplir les actions suivantes à partir de toutes fenêtre ayant le lien '**Alertes**' dans sa barre de menu :

1) cliquer sur le lien '**Alertes**' qui est situé dans la barre de menu. Ce lien se retrouve dans toutes les fenêtres concernant la gestion des stocks
2) ensuite, sélectioner dans l'onglet '**Alertes**' l'alerte dont vous souhaiter voire les détails
3) enfin, cliquez sur le bouton "**Marquer résolue**".

4.7 Supprimer une alerte *

* : Cette fonctionalité est exclusivement réservée aux utilisateurs *Manager*.

L'utilisateur doit accomplir les actions suivantes à partir de toutes fenêtre ayant le lien '**Alertes**' dans sa barre de menu :

1) cliquer sur le lien '**Alertes**' qui est situé dans la barre de menu. Ce lien se retrouve dans toutes les fenêtres concernant la gestion des stocks
2) ensuite, sélectioner dans l'onglet '**Alertes**' l'alerte dont vous souhaiter voire les détails
3) enfin, cliquez sur le bouton "**Supprimer une alerte**".

Chapitre 5

Point De Vente (La Vente d'Articles)

Rôles ayant accès à la fonctionalité : *Caissier* 2.7, *Manager* 2.3.

Ce chapitre décrit comment vendre des articles, appliquer des rabais, et appliquer la TVA sur un article ou la retirer.

5.1 Introduction

La figure 5.1 illustre l'interface graphique pour procéder à la vente d'articles.

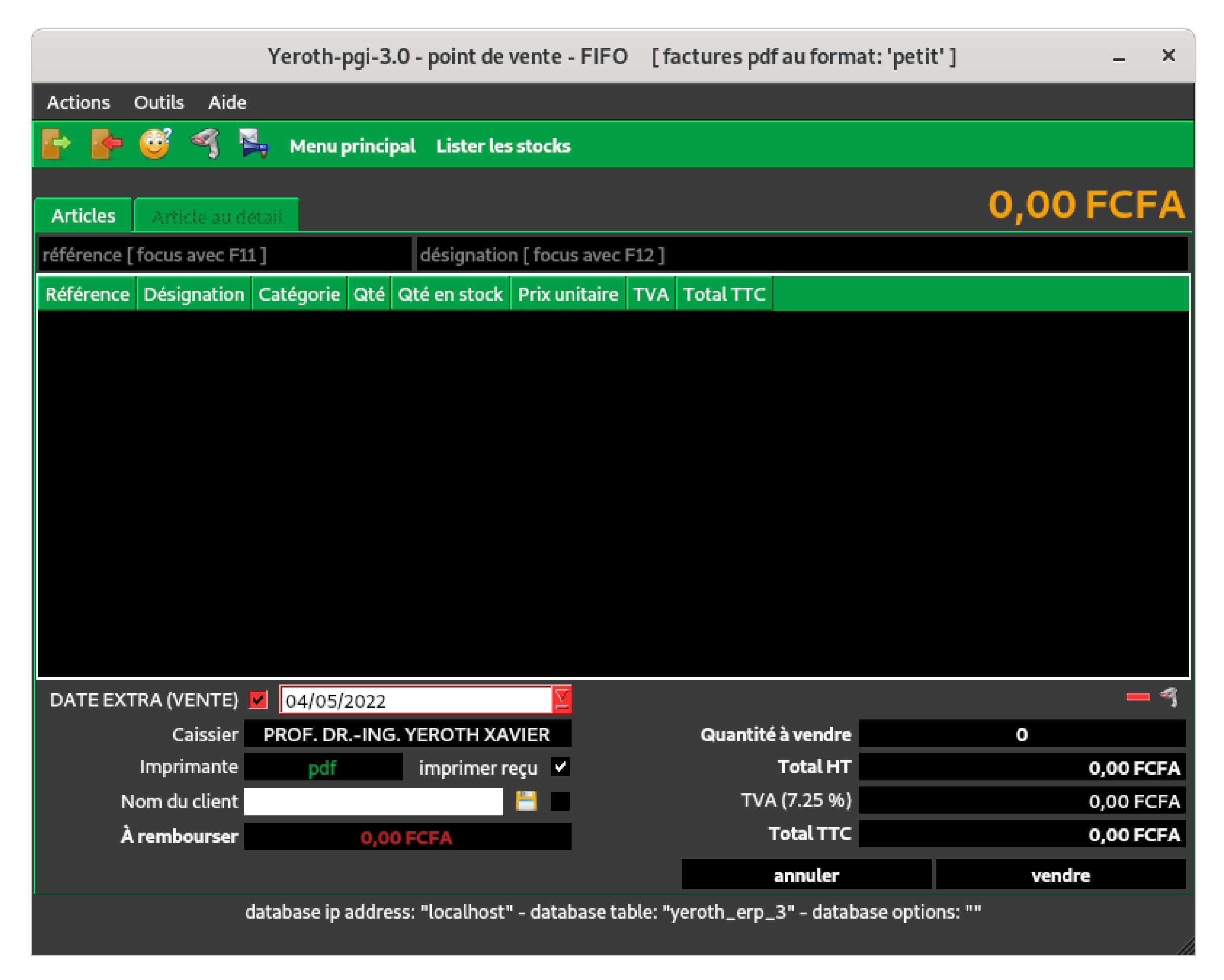


Figure 5.1 – La fenêtre pour vendre les articles.

Le tableau où sont affichés les articles à vendre a les colonnes suivantes :

1) Référence
2) Désignation
3) P.U. (**Prix Unitaire**)

4) Qté (**Quantité**)
5) Qté restante en stock (**Quantité restante en stock**)
6) Total TTC (**Total Toute Taxes Comprise**)
7) TVA (**Taxe sur la Valeur Ajouté**).

5.1.1 La stratégie de vente utilisée

Le titre de la fenêtre affiche la stratégie de vente des stocks utilisée. Dans la figure 5.1 par exemple, la stratégie de vente utilisée est **CMUP**.

5.2 Sélectionner des articles à vendre

Il existe 2 méthodes pour sélectionner des articles à vendre :

✓ **1ère méthode**
Sélectionner les stocks des articles à vendre en entrant leur code bar dans le premier champs de texte de l'interface (voir figure 5.2)

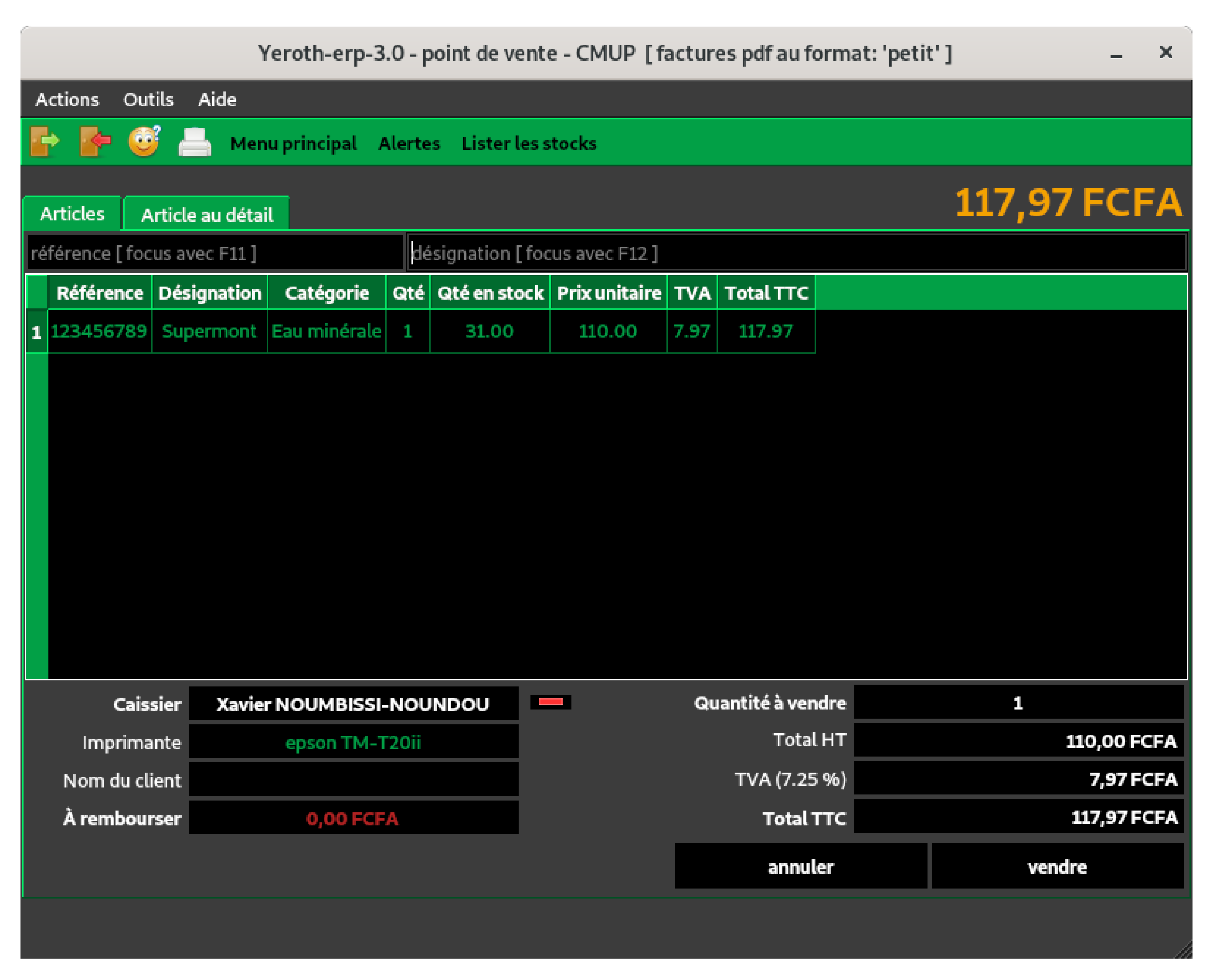


Figure 5.2 – Le champs de texte pour ajouter les articles en utilisant leur code bar.

✓ 2ème **méthode**
Sélectionner les stocks des articles à vendre en entrant leur désignation dans le deuxième champs de texte de l'interface (voir figure 5.3).

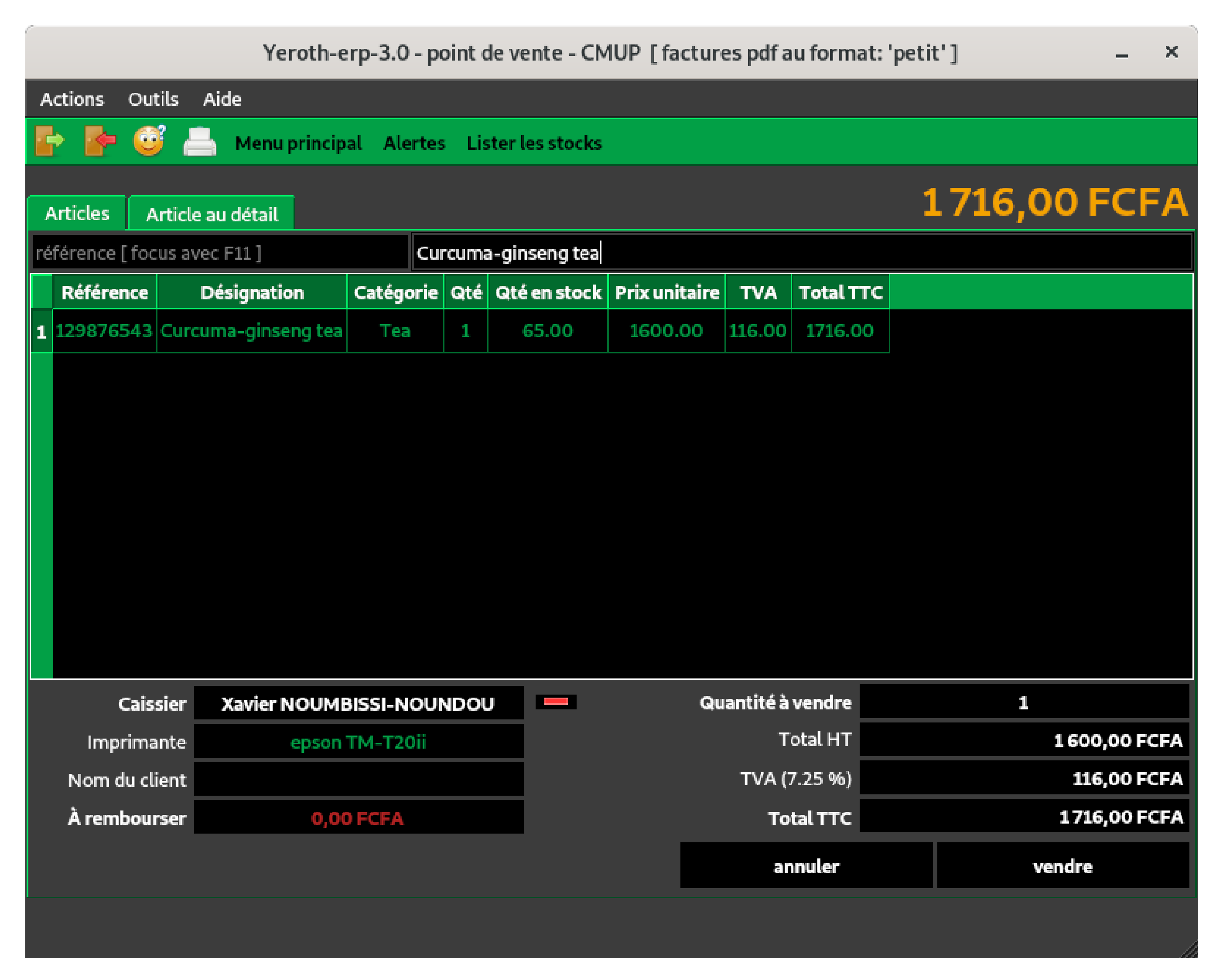


Figure 5.3 – Le champs de texte pour ajouter les articles en utilisant leur désignation.

5.3 Afficher les détails d'un article / stock sélectionné pour la vente

La figure 5.5 illustre les détails du stock 'Saouda'.

Il existe deux métodes pour voir les détails d'un stock sélectionné pour la vente :

✓ **1ère méthode**
Il suffit de cliquer deux fois sur n'importe quelle partie autre que '**Qté**' de la ligne du stock sélectionné.

✓ **2ème méthode**
Il suffit de cliquer sur l'onglet '**Article au détail**' après la sélection du stock.

5.4 Changer la quantité à vendre d'un article / stock

Il existe deux métodes pour changer la quantité d'articles d'un stock :

✓ **1ère méthode**

il faut cliquer sur l'élément '**Qté**' avec le bouton gauche de la souris, et ensuite changer la quantité à vendre (voir figure 5.4)

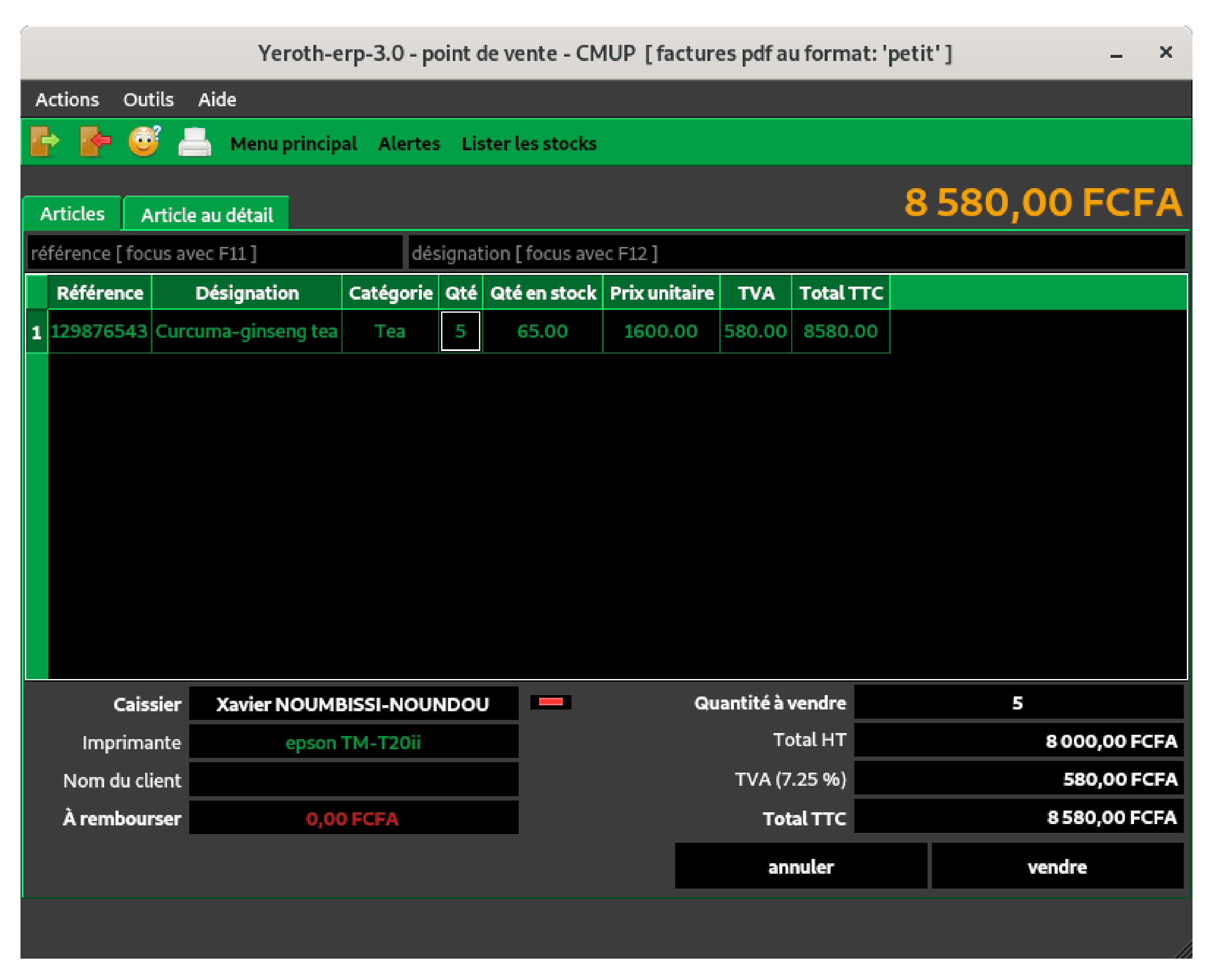


Figure 5.4 – L'élément 'Qté' sélectionné pour changer la quantité d'articles 'Cola' à vendre.

✓ 2ème **méthode**

il faut cliquer deux fois sur n'importe quel autre partie de la ligne du stock sélectionné, autre que 'Qté' pour avoir accès à une vue détaillée de ce stock.

La vue de détails du stock permet de changer la quantité à vendre dans le champ de texte '**quantité à vendre**' (voir figure 5.5).

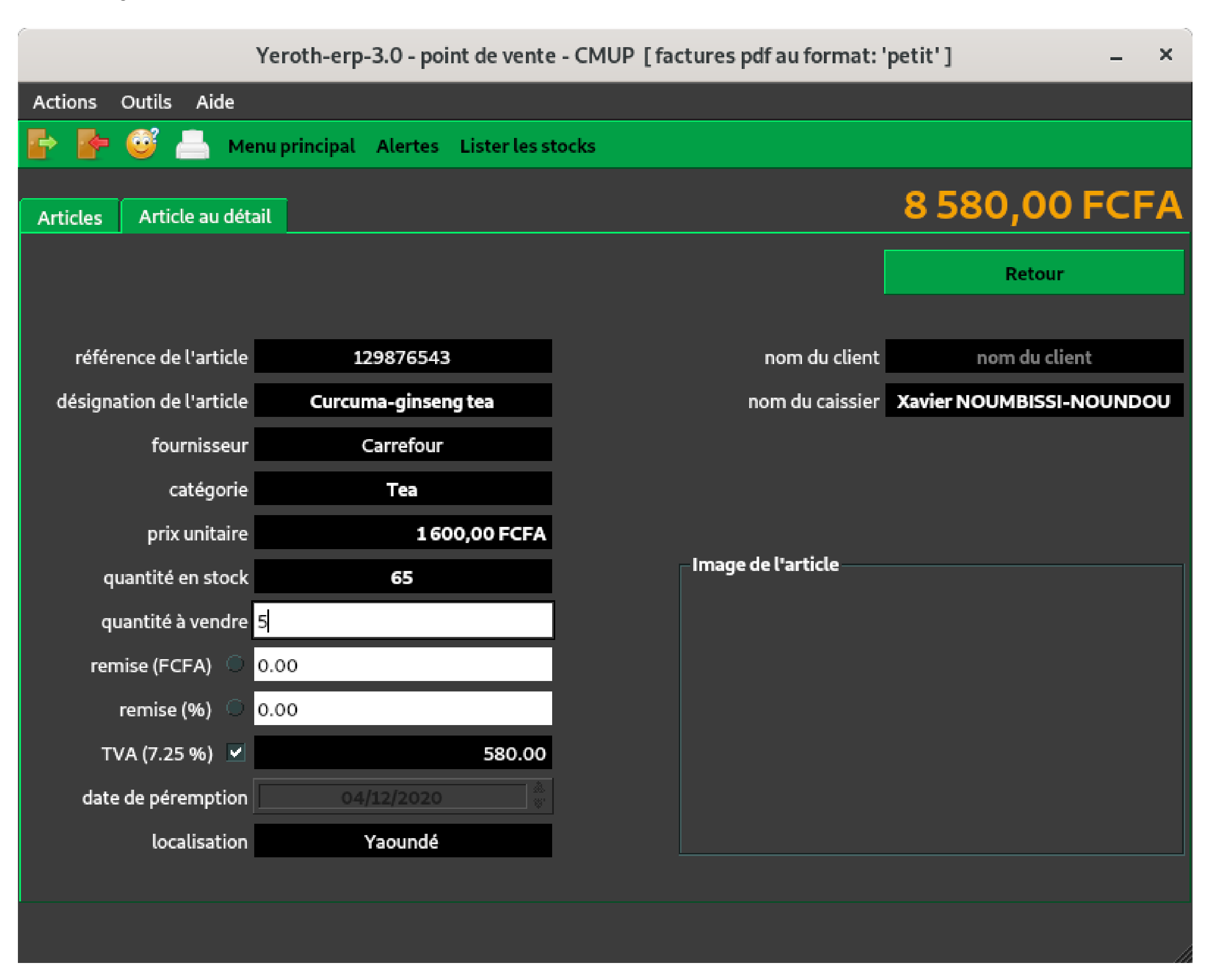


Figure 5.5 – Le champs de texte 'quantité à vendre' permet de changer la quantité à vendre d'un article.

5.5 Appliquer une remise sur un article / stock à vendre

Voici la démarche à suivre pour appliquer une remise sur le prix unitaire d'un article à vendre :

1) Sélectionner l'article à vendre (voir section 5.2)
2) ouvrer la vue de détails de l'article auquel vous souhaitez appliquer une remise
3) appliquer la remise en FCFA ou en pourcentage, en choisissant respectivement les bouton de radio "**remise (FCFA)**" ou "**remise (%)**", et en entrant le montant ou le pourcentage de remise à appliquer. (voir figure 5.5)
4) vous pouvez ensuite conclure la vente (voir section 5.11).

5.6 Modifier la TVA sur un article à vendre

Voici la démarche à suivre pour retirer ou ajouter la TVA sur un article à vendre :

1) Sélectionner l'article à vendre (voir section 5.2)
2) ouvrer la vue de détails de l'article auquel vous souhaitez appliquer une remise
3) retirer ou ajouter la TVA en cochant le 'check box' TVA (voir figure 5.5).
4) vous pouvez ensuite conclure la vente (voir section 5.11).

5.7 Supprimer un article de la liste des articles à vendre

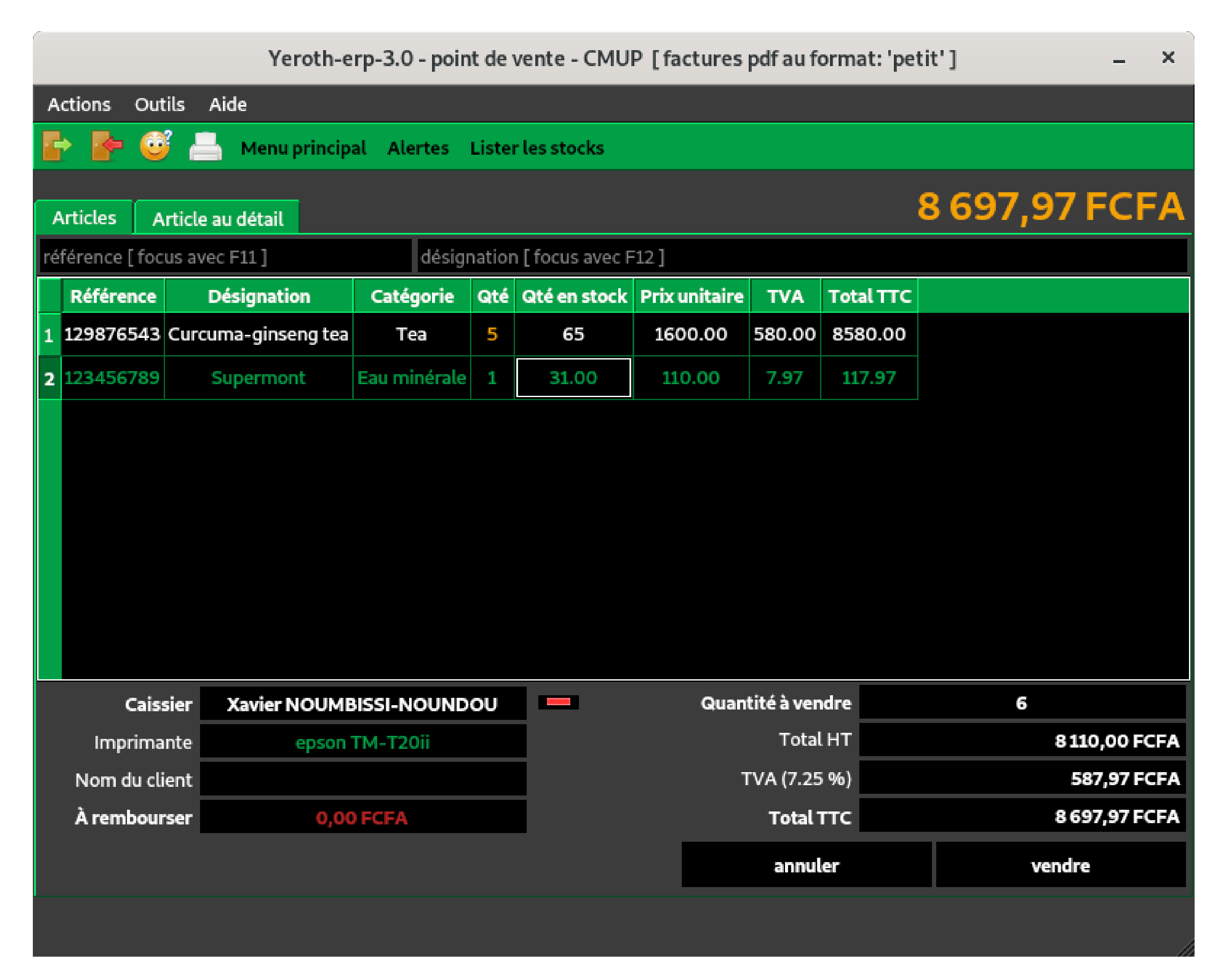


Figure 5.6 – Le bouton rouge sert à supprimer un article de la liste des articles à vendre.

Il suffit de sélectionner la ligne de l'article à vendre, et ensuite cliquer sur le petit bouton rouge qui se trouve juste après le champs de texte '**Caissier**'.

Ce bouton rouge est illustré dans la figure 5.6, juste après le champs de texte '**Caissier**'.

5.8 Vendre à un client divers

Il suffit de laisser le champs de texte '**Nom du client**' vide lors de la vente.

5.9 Vendre à un client nommé

Il suffit de saisir le nom du client dans le champs de texte '**Nom du client**'.

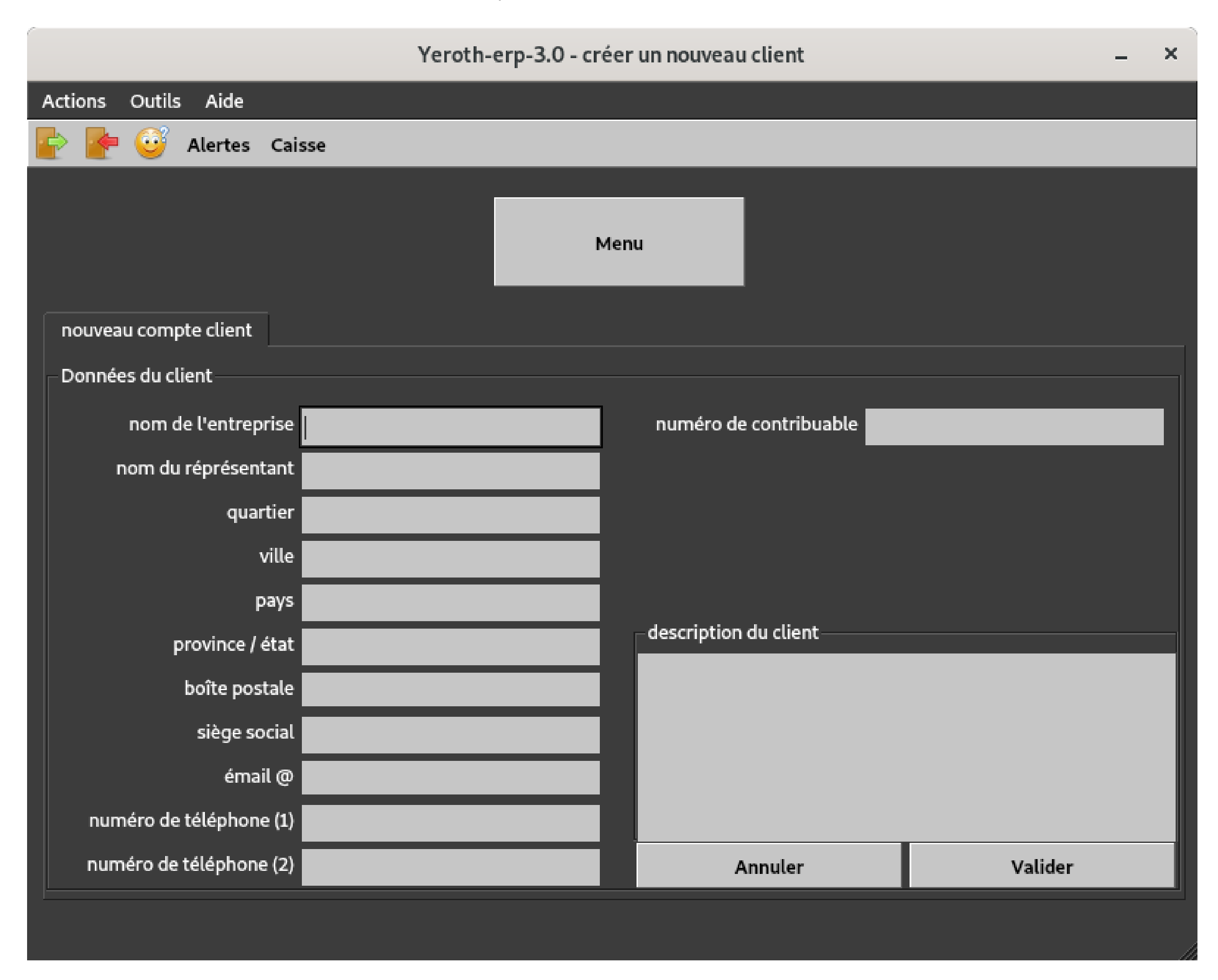


Figure 5.7 – La fenêtre de la création d'un nouveau compte client à partir de l'interface de vente.

Si le nom du client n'apparaît pas dans la liste suggérée, l'utilisateur doit sélectionner le texte '**nouveau client (*)**' (dans la liste suggér'ee). L'utilisateur sera alors conduit à la fenêtre pour créer un nouveau compte client (figure 5.7).

5.10 Annuler une vente en cours

Il suffit de cliquer sur le bouton "**Annuler**" pour annuler une vente en cours.

5.11 Conclure une vente

Voici la démarche à suivre pour conclure une vente :

1) sélectionner les articles à vendre (voir section 5.2)
2) entrer les quantités à vendre (voir section 5.4)
3) s'il y'a lieu, appliquer des remises ou modifier la TVA (voir section 5.5)
4) enfin, retourner à la fenêtre titrée '**Yeroth-erp-3.0 - Fenêtre de la vente'** et presser sur le bouton "**Vendre**" (voir figure 5.6).

5.12 Imprimer la facture à la suite d'une vente

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B.P. : 626262 Yaoundé

Numéro de contribuable : *123456789*
Numéro de compte bancaire : *123456789,*
UBC Plc

Yaoundé, le samedi 28 décembre 2019

Client "DIVERS"
Représentant :
B.P. :
Émail :
Tél. :

Facture Nr. : 16 (comptant)

Heure de vente : 10 :14 :31
Boutique de vente : Douala
Vendeur : Xavier NOUMBISSI-NOUNDOU

Référence	Désignation	Catégorie	Qté	Prix unitaire	TVA	Total TTC
129876543	Curcuma-gin.	Tea	1	1600.00	116.00	1716.00
123456789	Supermont	Eau minérale	1	110.00	7.97	117.97
TOTAUX			**2**		**123,97**	**1 833,97 FCFA**

Arrêté la présente facture au montant total TTC de **1 833,97 FCFA**.

Figure 5.8 – Une facture générée à la suite d'une vente.

Une facture au format PDF est automatiquement générer, juste après qu'une vente soit effectuée. La figure 5.8 illustre un exemple de facture.

5.13 Imprimer un exemple de facture au format PDF avant de conclure une vente

YEROTH
Computer Systems R&D Start-Up
Émail : yerotherp30@gmail.com
Tél. : +237 6 80 59 65 72
B.P. : 626262 Yaoundé

Numéro de contribuable : 123456789
Numéro de compte bancaire : 123456789,
UBC Plc

Yaoundé, le samedi 28 décembre 2019

Client "DIVERS"
Représentant :
B.P. :
Émail :
Tél. :

Facture Nr. : EXEMPLE (*NON VALIDE*) (comptant)

Heure de vente : 10 :11 :05
Boutique de vente : Douala
Vendeur : Xavier NOUMBISSI-NOUNDOU

Référence	Désignation	Catégorie	Qté	Prix unitaire	TVA	Total TTC
129876543	Curcuma-gin.	Tea	1	1600.00	116.00	1716.00
TOTAUX			**1**		**116,00**	**1 716,00 FCFA**

Arrêté la présente facture au montant total TTC de **1 716,00 FCFA**.

Figure 5.9 – Une facture proforma générée avant de conclure une vente.

Il existe deux méthodes pour imprimer une facture proforma avant de conclure la vente éventuelle des articles présents dans le tableau qui apparaît dans la fenêtre titrée '**Yeroth-erp-3.0 - Fenêtre de la vente**'.

✓ **1ère méthode**
Cliquer sur le lien '**Imprimer la facture (proforma)**' qui se trouve dans le menu déroulant '**Outils**'

✓ **2ème méthode**
Presser simultanément les boutons "**CTRL**" et "**P**" de votre clavier.

Une facture proforma au format PDF est alors générée. Un exemple de facture proforma est illustré dans la figure 5.9.

Chapitre 6

La Sortie d'Articles

Rôles ayant accès à la fonctionalité : *Magasinier* 2.6, *Manager* 2.3.

Ce chapitre décrit comment procéder à la sortie ou au transfert d'articles.

6.1 Introduction

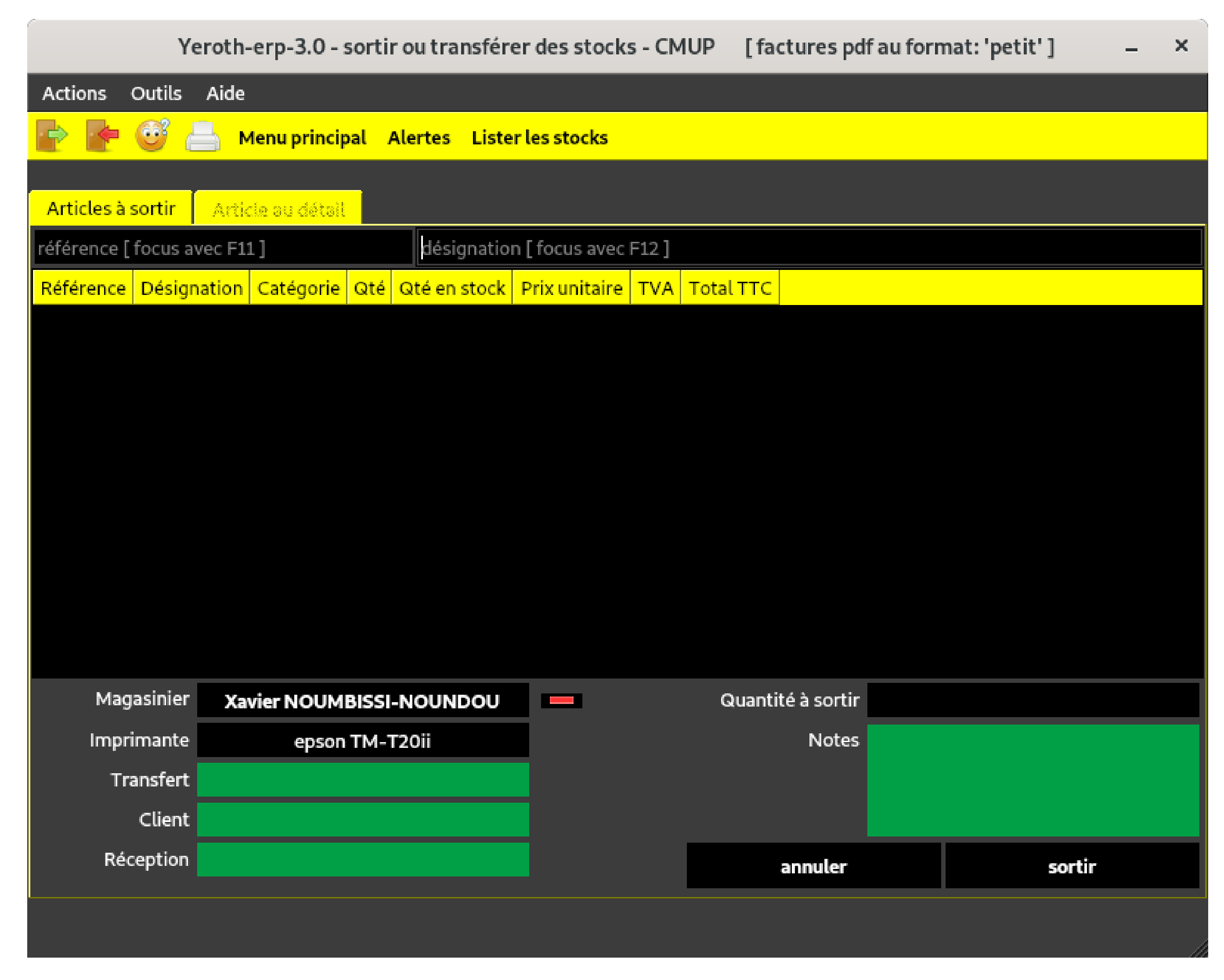


Figure 6.1 – La fenêtre pour sortir des articles en stock.

La figure 6.1 illustre l'interface graphique pour procéder aux sorties, ou aux transferts d'articles.

La fenêtre avec pour titre "sortir ou transférer des stocks" permet d'effectuer les opérations suivantes :

1) **une sortie de stocks**;
2) **un transfert de stocks**.

Une **sortie de stocks** est le retrait d'articles par un client auprès d'une boutique (ou d'un dépôt) de votre entreprise après que le paiement se soit effectué dans une autre unité de l'entreprise.

Un **transfert de stocks** est un mouvement de stocks d'une boutique (ou d'un dépôt) de votre entreprise vers une autre unité de l'entreprise.

6.1.1 La stratégie de sortie des articles / stocks utilisée

Le titre de la fenêtre affiche la stratégie de sortie des stocks utilisée. La stratégie affichée dans la figure 6.1 est : "**CMUP**" (en effet : **Cours Moyen Unité Pondéré**).

6.2 Effectuer une sortie d'articles

La démarche pour effectuer une sortie d'articles en stock est la suivante :

1) sélectionner les articles à faire sortir (appliquer l'une des méthodes décrites dans la section 5.2 du chapitre 5 sur la vente d'article)
2) le cas échéant, choisissez le nom de l'entreprise cliente dans le menu déroulant du champs de texte '**Client**'
3) saisissez dans le champs de texte '**Récepteur**' le nom de la personne qui réceptionne les articles
4) si vous avez des notes spécifiques à cette sortie d'articles, ecriver les dans le champs de texte '**notes**'
5) cliquer sur le bouton "**Sortir**" pour conclure la sortie de stocks.

6.3 Effectuer un transfert d'articles

La démarche pour effectuer un transfert d'articles en stock est la suivante :

1) sélectionner les articles à transférer (appliquer l'une des méthodes décrites dans la section 5.2 du chapitre 5 sur la vente d'article)
2) saisissez dans le champs de texte '**Récepteur**' le nom de la personne qui réceptionne les articles
3) sasissez ensuite dans le champs de texte '**Transfert**' le nom de la boutique ou du dépôt qui recevra les articles à transferer
4) si vous avez des notes spécifiques à ce transfert d'articles, ecriver les dans le champs de texte '**notes**'
5) cliquez sur bouton "**Sortir**" pour conclure le transfert d'articles.

6.4 Autres opérations de sortie d'articles / de stocks

Pour toutes autres opérations de sortie des stocks, appliquer la méthode similaire décrite dans le chapitre 5 qui porte sur la vente d'articles (ex. : annuler la sortie d'articles, imprimer une proforma du bon de sortie, etc.).

Chapitre 7

Les Ventes (les états des ventes d'articles)

Rôles ayant accès à la fonctionalité : *Caissier* 2.7, *Manager* 2.3.

Ce chapitre décrit comment consulter les chiffres d'affaires (les recettes). Le chapitre explique aussi comment paramétrer cette consultation afin d'obtenir des résultats plus précis (ex : le chiffre d'affaire réalisé sur un article).

7.1 Introduction

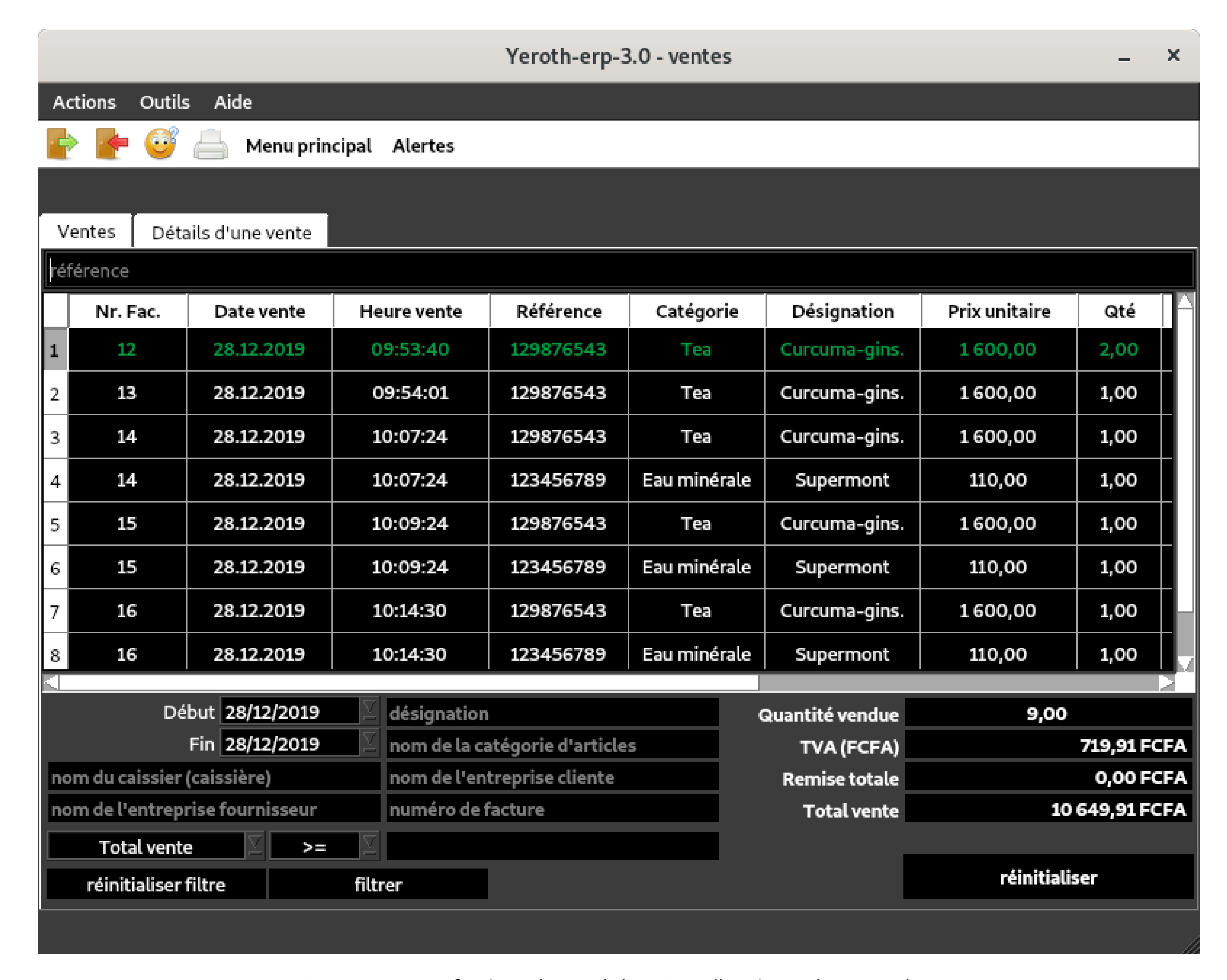


Figure 7.1 – La fenêtre du module caisse (les états de ventes)

Le module '**Caisse**' de yeroth–erp–3.0 donne une vue d'ensemble sur toutes les ventes effectuées. La figure 7.1 illustre l'interface graphique du module '**Caisse**'.

7.2 Voir le journal des ventes sur une période de temps

Un utilisateur **avec le rôle *Manager*** définit les dates de début et de fin de la période sur laquelle il souhaite voir les ventes. Il peut aussi ajouter les paramètres suivants à sa requête :

1) le nom d'un caissier (champs de texte '**Caissier**')
2) la désignation d'un l'article (champs de texte '**Désignation**')
3) une catégorie d'articles (champs de texte '**Catégorie**')
4) le nom d'un client (champs de texte '**Client**')
5) le numéro d'une facture. (champs de texte '**Facture N.**').

Lorsque plus d'un paramètre est utilisé pour la requête, yeroth−erp−3.0 emploi l'opérateur logique '**AND**' pour générer la requête.

NB : les utilisateurs **avec le rôle *Caissier*** ont seulement accès à leur journal des ventes du jour. Ils ont aussi accès au paramétrage des éléments suivants :

1) la désignation d'un l'article (champs de texte '**Désignation**')
2) une catégorie d'articles (champs de texte '**Catégorie**')
3) le numéro d'une facture. (champs de texte '**Facture N.**').

7.3 Voir les détails d'une vente

Il suffit de cliquer deux fois sur la vente sélectionnée.

7.4 Voir le journal des ventes d'un caissier

Il suffit de paramétrer la requête avec le nom de ce caissier dans le champs de texte '**Caissier**' (Voir la figure 7.1).

7.5 Voir le journal des ventes d'un article

Il suffit de paramétrer la requête avec la désignation de cet article. Ceci se fait dans le champs de texte '**Désignation**' (Voir la figure 7.1).

7.6 Voir le journal des ventes d'une catégorie d'articles

Il suffit de paramétrer la requête avec le nom de la catégorie de cet article. Ceci se fait dans le champs de texte '**Catégorie**' (Voir la figure 7.1).

7.7 Voir le journal des achats d'un client nommé

Il suffit de paramétrer la requête avec le nom du client concerné. Ceci se fait dans le champs de texte '**Client**' (Voir la figure 7.1).

7.8 Voir le journal des ventes d'une facture

Il suffit de paramétrer la requête avec le numéro de facture correspondant. Ceci se fait dans le champs de texte '**Facture N.**' (Voir la figure 7.1).

7.9 Imprimer le journal des ventes au format PDF

Il existe deux méthodes pour imprimer 'le journal des ventes' de la liste des ventes qui apparaît à la fenêtre titré '**Yeroth-erp-3.0 - Caisse**'.

✓ **1ère méthode**
Cliquer sur le lien '**Imprimer le journal des ventes**' qui se trouve dans le menu déroulant '**Outils**'

✓ **2ème méthode**
Presser simultanément les boutons "**CTRL**" et "**P**" de votre clavier.

Chapitre 8

Les Mouvements de Stocks

Rôles ayant accès à la fonctionalité : *Magasinier* 2.6, *Manager* 2.3.

Ce chapitre explique la différence entre une sortie et un transfert de stocks. Il décrit aussi comment consulter les transferts et les sorties des stocks effectués.

8.1 Introduction

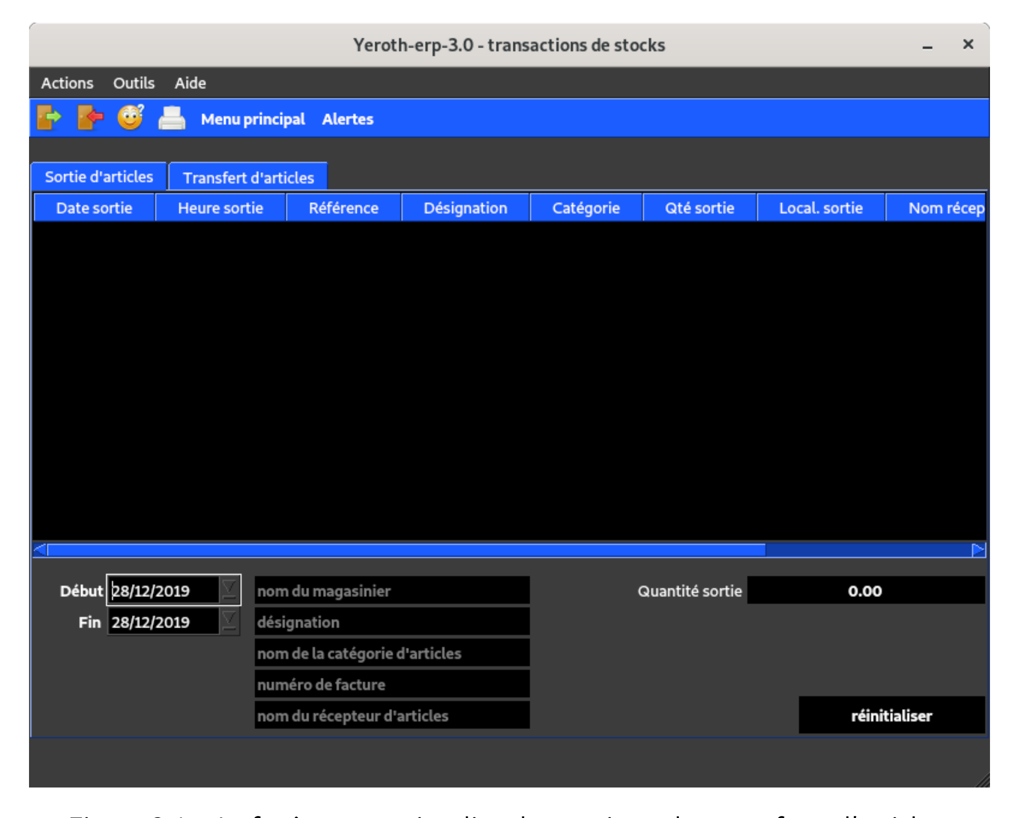


Figure 8.1 – La fenêtre pour visualiser les sorties et les transferts d'articles.

La figure 8.1 illustre l'interface de yeroth−erp−3.0 pour visualiser les sorties et les transferts d'articles.

Dans yeroth−erp−3.0, une transaction est :

1) une **sortie de stocks**,

2) ou bien un **transfert de stocks**.

Une **sortie de stocks** est le retrait d'articles par un client auprès d'une boutique ou d'un dépôt de l'entreprise qui utilise yeroth−erp−3.0.

Un **transfert de stocks** est un mouvement de stocks d'une boutique ou d'un dépôt de l'entreprise vers une boutique ou dépôt de votre entreprise.

8.2 Voir les transactions sur une période de temps

1) Sélectionnez les dates de début et de fin respectivement dans les champs de dates 'Début' et 'Fin'.

Les transferts de stocks s'affichent automatiquement dans le 1er premier onglet, pendant que les sorties de stocks s'affichent automatiquement dans le 2ème onglet.

L'utilisateur peut aussi ajouter les paramètres suivants à sa requête :

1) le nom d'un magasinier (champs de texte '**Magasinier**')
2) la désignation d'un l'article (champs de texte '**Désignation**')
3) la catégorie d'un l'article (champs de texte '**Catégorie**')
4) le numéro d'un bon de sortie (champs de texte '**Numéro du bon de sortie**')
5) le nom d'un récepteur (champs de texte '**Nom du récepteur**').

Lorsque plus d'un paramètre est utilisé pour la requête, yeroth−erp−3.0 emploi l'opérateur logique '**AND**' entre les différents paramtres pour générer le résultat de la requête.

8.3 Voir les transactions d'un magasinier

1) Sélectionnez dans le champs de texte '**Magasinier**' le nom du magasinier dont vous souhaitez observer les transactions effectuées .
2) Les transactions du magasinier choisi s'affichent automatiquement.

8.4 Voir les transactions d'un article

1) Sélectionnez dans le champs de texte '**Désignation**' la désignation de l'article dont vous souhaitez visualiser les transactions effectuées .
2) Les transactions de l'article choisi s'affichent automatiquement.

8.5 Voir les transactions d'une catégorie d'articles

1) Sélectionnez dans le champs de texte '**Catégorie**' le nom de la catégorie d'articles dont vous souhaitez visualiser les transactions effectuées.
2) Les transactions de la catégorie d'articles choisie s'affichent automatiquement.

8.6 Voir les transactions d'un bon de sortie

1) Sélectionnez dans le champs de texte '**Numéro du bon de sortie**' le numéro du bon de sortie dont vous souhaitez visualiser les transactions effectuées.
2) Les transactions du bon de sortie choisi s'affichent automatiquement.

8.7 Voir les transactions d'un récepteur d'articles

1) Sélectionnez dans le champs de texte '**Nom du récepteur**' le nom de la personne dont vous souhaitez visualiser les transactions effectuées, dont il a été le récepteur.
2) Les transactions de la personne choisi s'affichent automatiquement.

8.8 Imprimer le journal des transactions au format PDF

Il existe deux méthodes pour imprimer 'le journal des transactions' qui apparaît dans la fenêtre titrée '**Yeroth-erp-3.0 - transactions**'.

✓ **1ère méthode**
Cliquez sur le lien '**Imprimer le journal des sorties/transferts**' qui se trouve dans le menu déroulant '**Outils**'.

✓ **2ème méthode**
Pressez simultanément les boutons "**CTRL**" et "**P**" de votre clavier.

Un fichier au format PDF est alors généré et affiché.

La figure 8.2 illustre un exemple de journal de sorties des stocks au format PDF.

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Numéro de contribuable: *123456789*
Numéro de compte bancaire: *123456789,*
UBC Plc

Douala, le samedi 28 décembre 2019

Journal des transferts d'articles du 28.12.2019 au 28.12.2019

Imprimé par: Xavier NOUMBISSI-NOUNDOU
Heure d'impression: 10:27:08
Filtres: ""

id	Date sortie	Heure sortie	Référence	Désignation	Catégorie	Qté sortie	Local. sortie	Local. entrée	Nom magasinier
1	28.12.2019	10:27:01	5678	Thé	Tea	3,00	Bassa	Bonapriso - .	Xavier NOUMB.
						3,00			

1

Figure 8.2 – Un journal de sorties des stocks.

Chapitre 9

Les Tableaux de Bords

Rôles ayant accès à la fonctionalité : *Manager* 2.3.

Ce chapitre décrit comment consulter les tableaux de bord. En effet, bon nombre de décisions des Manager *pro-viennent de la visualisation des rapports financiers, et commerciaux.*

9.1 Introduction

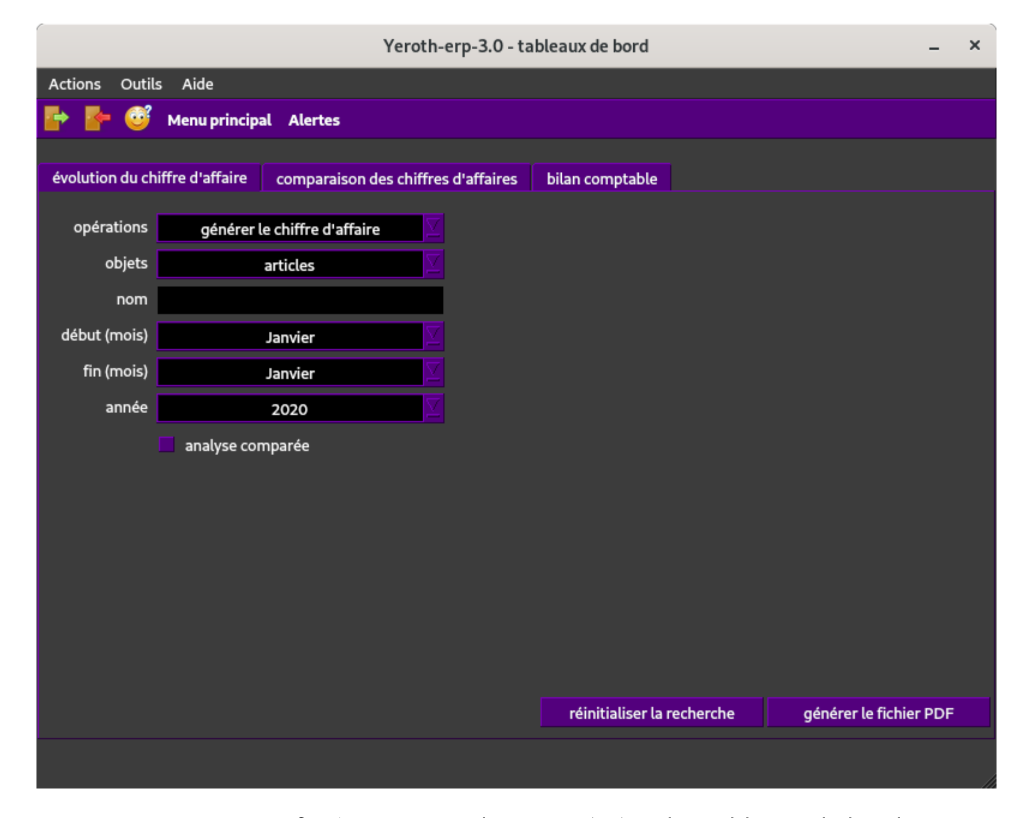


Figure 9.1 – La fenêtre principale pour générer les tableaux de bords.

La figure **??** illustre l'interface de yeroth–erp–3.0 pour paramétrer et générer l'évolution du chiffre d'affaire (au format PDF) sur une période de temps.

L'interface graphique 'comparaison des chiffres d'affaires' (figure **??**) permet à l'utilisateur de comparer les chiffres d'affaire d'objets allant de 2 à 9 unités.

Les objets de comparaisons sont les suivants :

1) le chiffre d'affaire des articles vendus
2) le chiffre d'affaire des catégories d'articles vendues
3) le chiffre d'affaire des clients nommés de l'entreprise
4) le chiffre d'affaire des caissiers de l'entreprise.

L'utilisateur a le choix entre les diagrammes comparatifs suivants :

1) le diagramme en bande
2) le diagramme circulaire.

La figure 9.3 et 9.4 illustrent des examples de diagramme comparatif en 'diagramme en bande' et en 'diagramme circulaire' respectivement.

9.2 Générer l'évolution du chiffre d'affaire

Il faut effectuer les actions suivantes dans l'interface graphique de yeroth−erp−3.0 illustrée dans la figure **??** :

1) choisir la date de 'début (mois)'
2) choisir la date de 'fin (mois)'
3) choisir l'année souhaitée
4) conclure an cliquant dur le bouton "**générer le fichier PDF**".

9.3 Générer les chiffres d'affaires de plusieurs articles de façon comparative

La figure **??** illustre comment générer un diagramme en bande, comparatif des quatre articles avec les chiffres d'affaires les plus élevés.

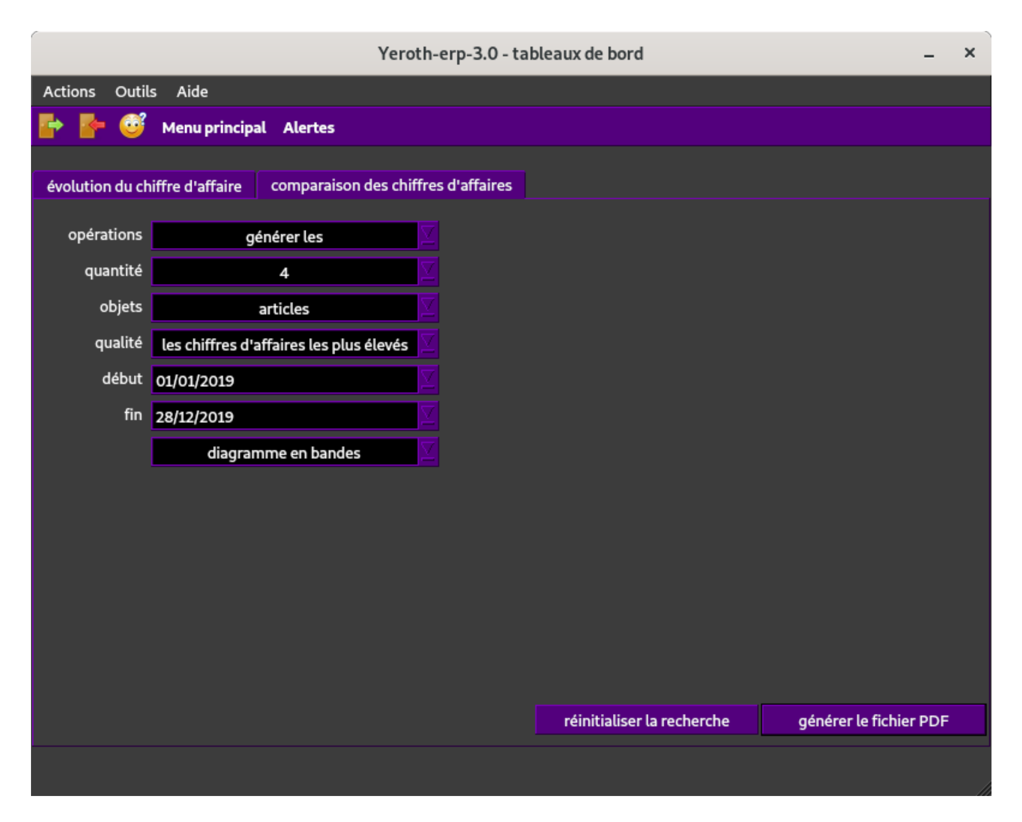


Figure 9.2 – Une figure comparative des chiffres d'affaires de quatre articles de la fenêtre des rapports commerciaux.

La figure 9.3 illustre le fichier PDF généré avec pour option 'diagramme en bandes'.

La figure 9.4 illustre le fichier PDF généré avec pour option 'diagramme circulaire'.

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***Numéro de compte bancaire:** 123456789,*
UBC Plc

Douala, le samedi 28 décembre 2019

Diagramme en bandes réprésentant "articles avec les chiffres d'affaires les plus élevés" (en pourcentage %).

Générer par: Xavier NOUMBISSI-NOUNDOU
Heure de génération: 10:29:49
Période: 01.01.2019 – 28.12.2019

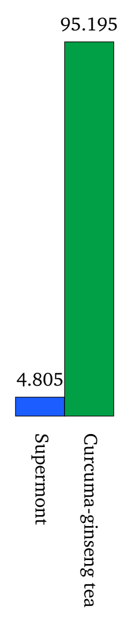


Figure 1: articles avec les chiffres d'affaires les plus élevés.

Détails en FCFA:

1) "Curcuma-ginseng tea": 20 600,00 FCFA
2) "Supermont": 1 039,70 FCFA

1

Figure 9.3 – Une figure comparative du chiffre d'affaire de plusieurs articles à l'aide d'un digramme en bande.

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Tél.: +237 6 80 59 65 72
B.P.: 626262 Douala

Numéro de contribuable: *123456789*
Numéro de compte bancaire: *123456789,*
UBC Plc

Douala, le samedi 28 décembre 2019

Diagramme circulaire réprésentant "articles avec les chiffres d'affaires les plus élevés" (en pourcentage %).

Générer par: Xavier NOUMBISSI-NOUNDOU
Heure de génération: 10:33:29
Période: 01.01.2019 – 28.12.2019

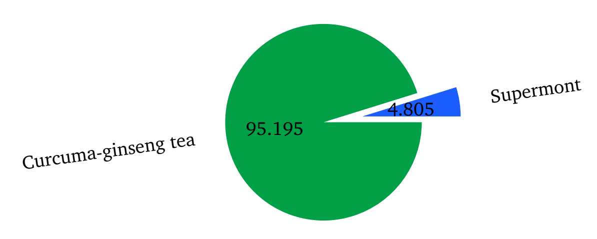


Figure 1: articles avec les chiffres d'affaires les plus élevés.

Détails en FCFA:

1) "Curcuma-ginseng tea": 20 600,00 FCFA
2) "Supermont": 1 039,70 FCFA

1

Figure 9.4 – Une figure comparative du chiffre d'affaires de plusieurs articles à l'aide d'un digramme circulaire.

9.4 Générer les chiffres d'affaires de plusieurs catégories articles de façon comparative

Il faut procéder comme à la section 9.3, juste en changeant le combo box '**sujets**' d'articles à '**catégories**' et le combo box '**qualité**'.

9.5 Générer les chiffres d'affaires de plusieurs clients de façon comparative

Il faut procéder comme à la section 9.3, juste en changeant le combo box '**sujets**' d'articles à '**clients**' et le combo box '**qualité**'.

9.6 Générer les chiffres d'affaires de plusieurs caissiers de façon comparative

Il faut procéder comme à la section 9.3, juste en changeant le combo box '**sujets**' d'articles à '**caissiers**' et le combo box '**qualité**'.

Chapitre 10

Les Informations Générales

Rôles ayant accès à la fonctionalité : *Administrateur* 2.2, *Caissier* 2.7, *Magasinier* 2.6, *Manager* 2.3.

Ce chapitre décrit comment avoir accès aux informations publiques de l'entreprise et de yeroth−erp−3.0 *(ex. : le siège social de l'entreprise, la version de* yeroth−erp−3.0 *utilisée, etc).*

10.1 Voir les détails de l'utilisateur avec lequel on s'est enregistré

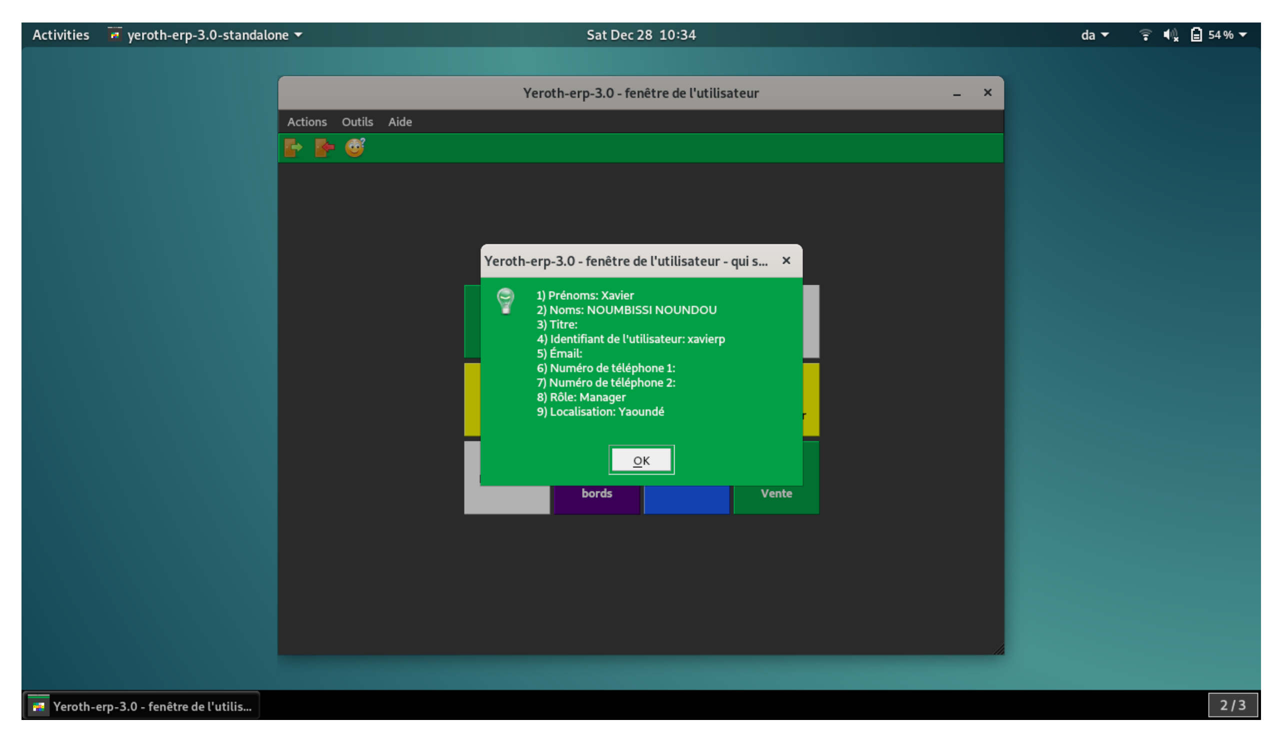


Figure 10.1 – Un example de la fonctionalité 'Qui suis je?'.

La figure 10.1 illustre un example de la fonctionalité '**Qui suis je?**'.

À partir de n'importe quelle fenêtre de yeroth−erp−3.0, cliquez sur le lien '**Qui suis je?**' dans le menu déroulant '**Outils**' pour obtenir les informations suivantes de l'utilisateur avec lequel on s'est enregistré :

1) l'émail
2) l'identification de l'utilisateur
3) la localisation
4) les noms
5) le numéro de téléphone 1
6) le numéro de téléphone 2
7) les prénoms
8) le rôle
9) le titre.

10.2 Voir les informations générales de l'entreprise

À partir de n'importe quelle fenêtre de yeroth–erp–3.0 (excepté les fenêtres de l'administration), cliquez sur le lien '**Informations sur l'entreprise**' dans le menu déroulant '**Aide**' pour obtenir les informations suivantes de l'entreprise où yeroth–erp–3.0 est ainsi déployé :

1) l'émail
2) l'adresse
3) la boîte postale
4) la dénomination de l'entreprise
5) la localisation
6) le numéro de contribuable
7) le pays
8) les secteurs d'activités
9) le siège social
10) le téléphone
11) la ville.

La figure 10.2 illustre un example de la fonctionalité '**Informations sur l'entreprise**'.

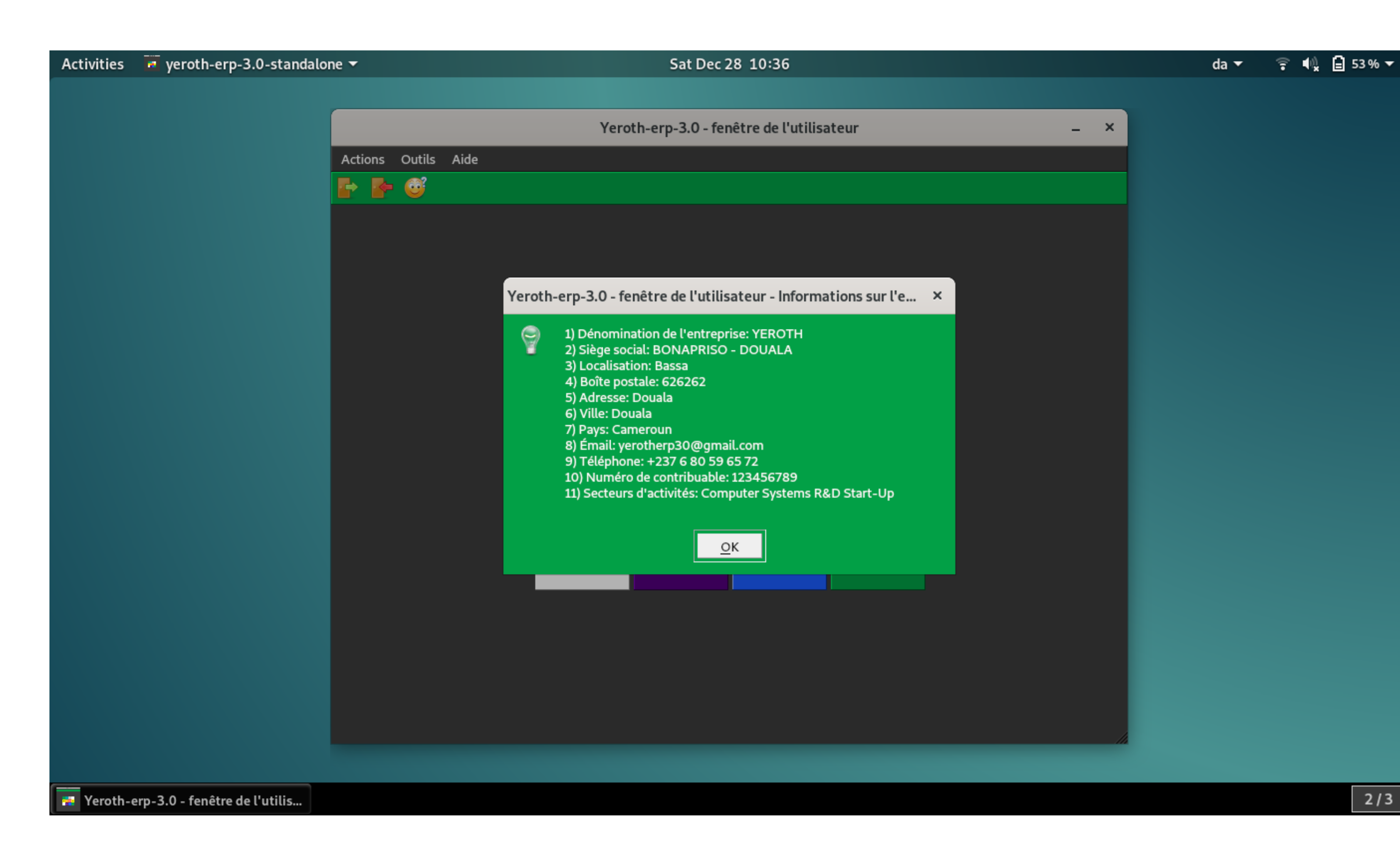


Figure 10.2 – Un example de la fonctionalité 'Informations sur l'entreprise'.

10.3 Voir le manuel de l'utilisateur au format PDF

Il suffit de cliquer sur le lien '**Manuel de l'utilisateur (PDF)**' qui se trouve dans le menu '**Aide**' de la fenêtre principale de chaque type d'utilisateur de yeroth–erp–3.0 :

1) *Administrateur* (voir figure 2.1)
2) *Caissier* (voir figure 2.6)
3) *Magasinier* (voir figure 2.5)
4) *Manager* (voir figure 2.2).

10.4 Voir la version de yeroth–erp–3.0 que vous utilisé

Il suffit de cliquer sur le lien '**À propos**' qui se trouve dans le menu '**Aide**' de n'importe quelle fenêtre de yeroth–erp–3.0.

La figure 10.3 illustre un example de la fonctionalité '**À propos**'.

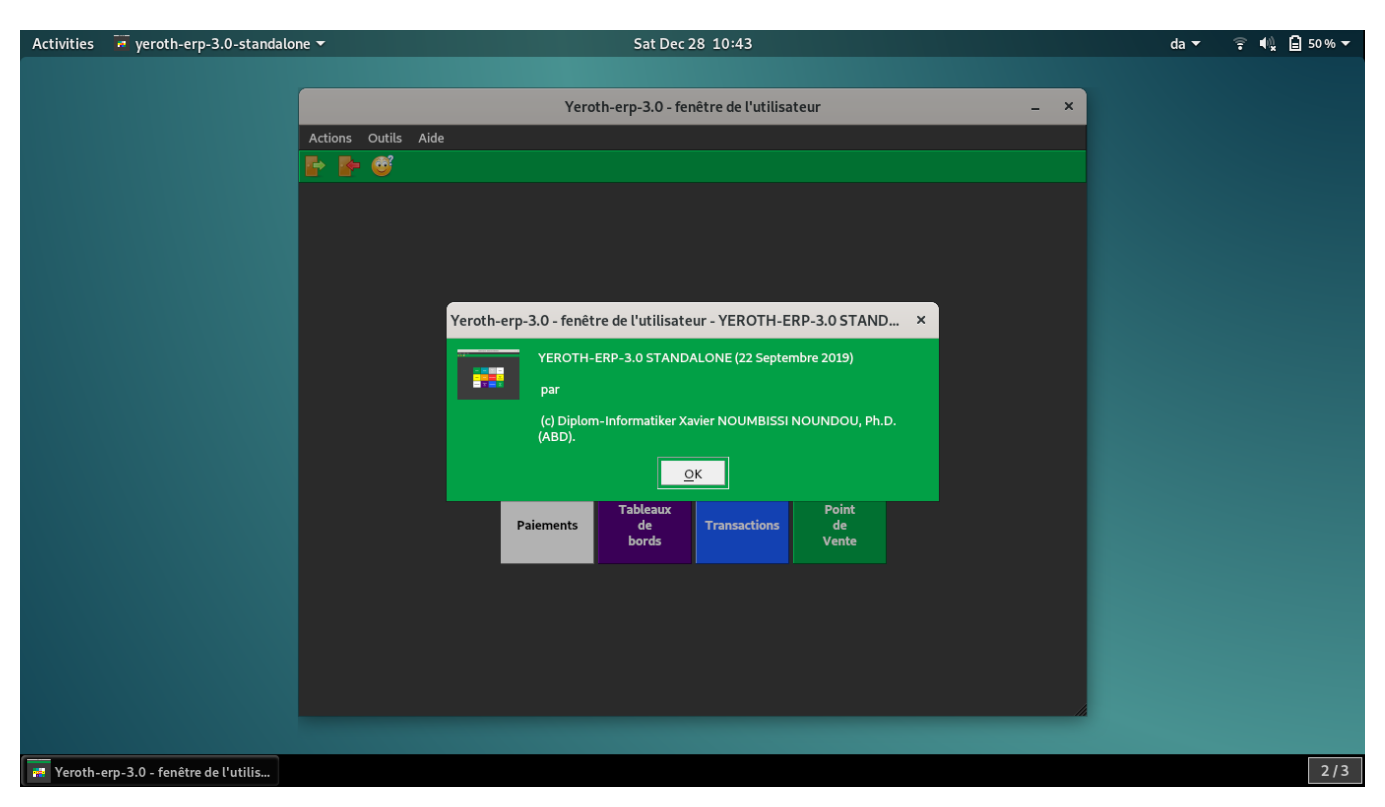


Figure 10.3 – Un example de la fonctionalité 'À propos'.

Chapitre 11

L'Administration de yeroth–erp–3.0

Rôles ayant accès à la fonctionalité : *Administrateur* 2.2, *Manager* 2.3.

Ce chapitre décrit comment effectué les tâches d'administration (ex : créer un nouveau compte pour un utilisateur, etc.).

11.1 Introduction

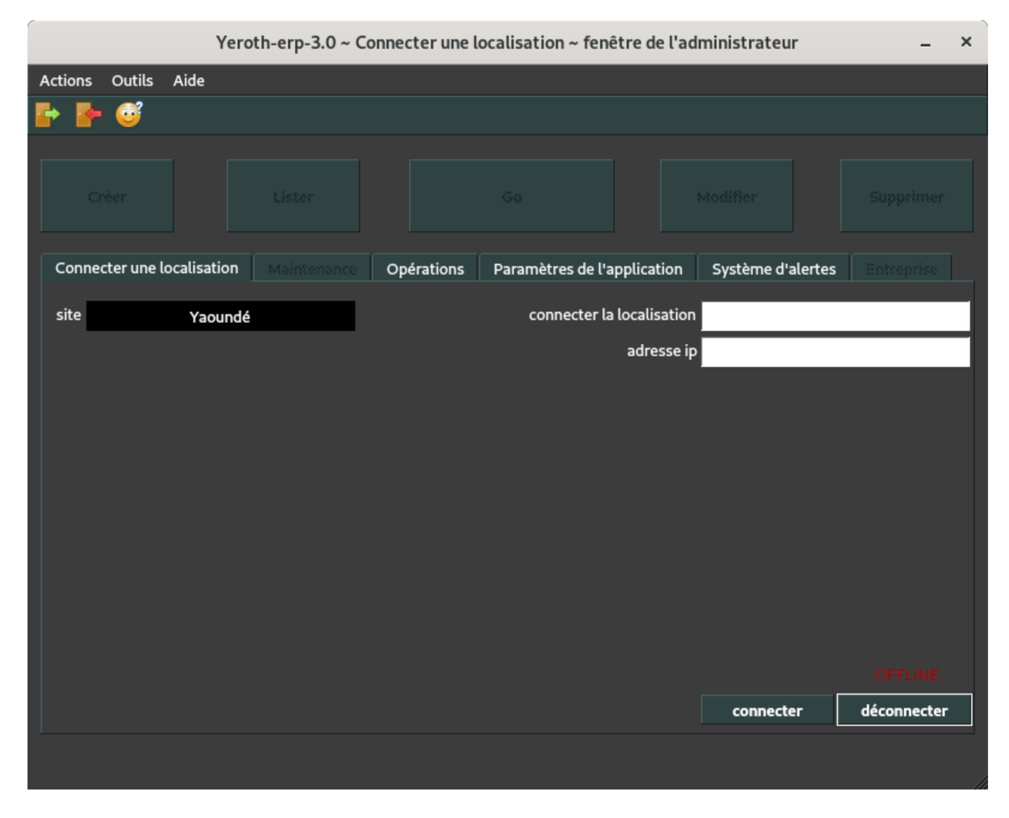


Figure 11.1 – La fenêtre de l'administrateur.

La figure 11.1 illustre la fenêtre d'accueil de l'administration de yeroth–erp–3.0.

On y arrive automatiquement lorsqu'on s'enregistre à yeroth–erp–3.0 avec un utilisateur du rôle *Administrateur*.

Avec un utilisateur du rôle *Manager*, on clique sur le bouton "**Administration**" à partir de l'interface d'accueil des utilisateurs du rôle *Manager* (voir figure 2.2).

11.2 La connection à d'autres localisations

La figure 11.2 illustre l'interface graphique de connection à la base de données d'une autre localisation; cette interface graphique est le 1er onglet de la fenêtre de l'administration.

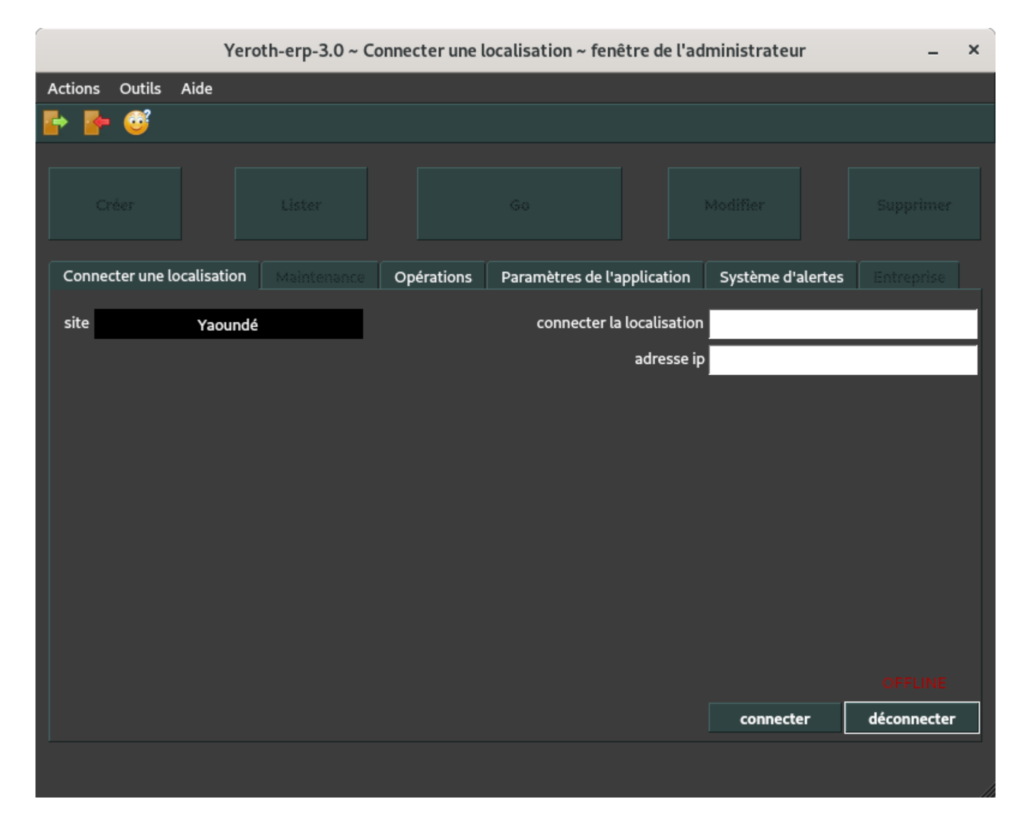


Figure 11.2 – l'interface graphique de connection de yeroth–erp–3.0 à d'autres localisations.

Voici la procédure par laquelle l'utilisateur peut connecter son installation de yeroth–erp–3.0 à la base de données d'autres localisations :

1) choisir dans le champs de texte '**localisation**' le nom de localisation à laquelle on souhaite se connecter. Lorsque cela est fait, l'adresse IP de la localisation choisie est automatiquement affichée dans le champs de texte '**adresse IP**'
2) cliquer sur le bouton "**connecter**".

Si la connection est réussie, le mot '**ONLINE**' est affiché en couleur verte au dessus du bouton "**connecter**".

11.3 Les paramètres généraux

La figure 11.3 illustre l'interface graphique des paramètres généraux de yeroth–erp–3.0; cette interface graphique est le 4ème onglet de la fenêtre de l'administration de yeroth–erp–3.0.

Les paramètres généraux qui peuvent être modifiés sont les suivants :

1) le lecteur des fichiers PDF
2) le compilateur des fichiers '.tex'
3) le répertoire des fichiers temporaraires
4) la taxe sur la valeur ajouté
5) la stratégie de vente/sortie des stocks (**CMUP**, **DEF_DEO**, **FIFO**, **LIFO**)
   1) la sélection de **CMUP** présente tous les stocks présents dans la base de données
   2) la sélection **DEF_DEO** présente tous les stocks selon la stratégie "**Date of Preemption, First Date of Preemption Out**"
   3) la sélection de **FIFO** présente tous les stocks selon la startégie "**First In, First Out**"
   4) la sélection de **LIFO** présente tous les stocks selon la stratégie "**Last In, First Out**"
6) le format des fichiers de facturations
7) l'année de départ des rapports lors de la génération des chiffres d'affaire.

Les stratégies de gestion des stocks sont décrites dans la section 3.2.

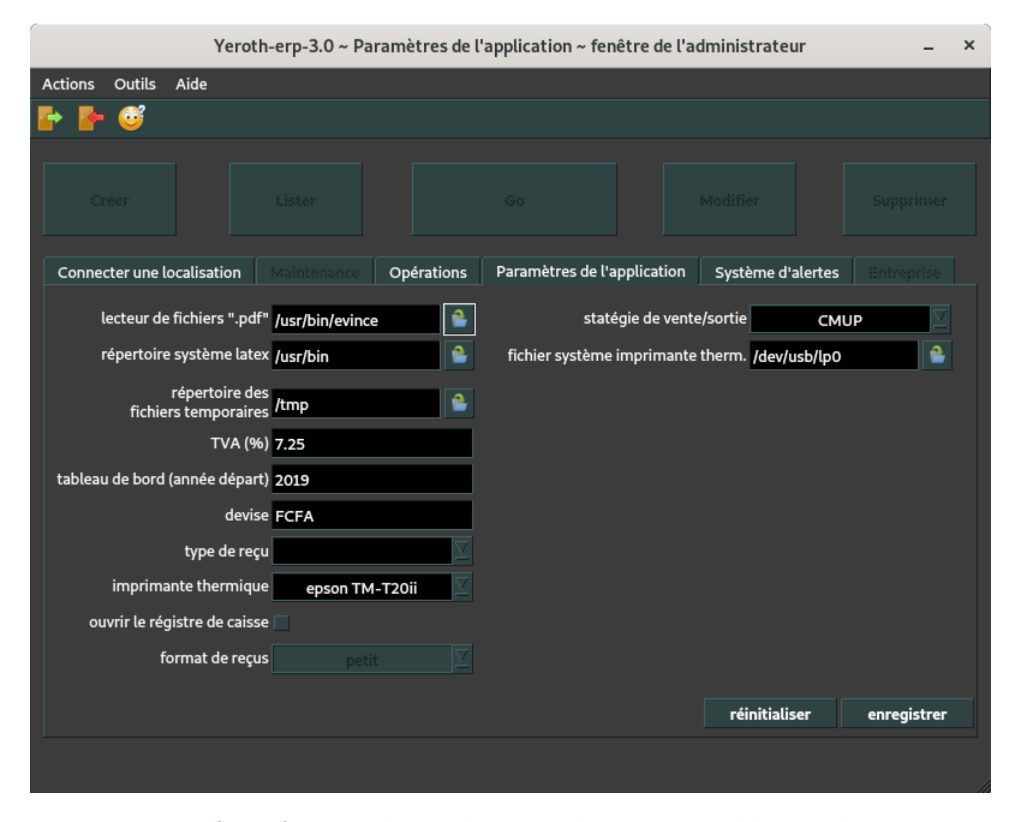


Figure 11.3 – l'interface graphique de paramétrage général de yeroth−erp−3.0.

11.4 Les paramètres du système d'alertes

La figure 11.4 illustre l'interface graphique des paramètres du système d'alertes de yeroth−erp−3.0; cette interface graphique est le 5ème onglet de la feneêtre de l'administration de yeroth−erp−3.0.

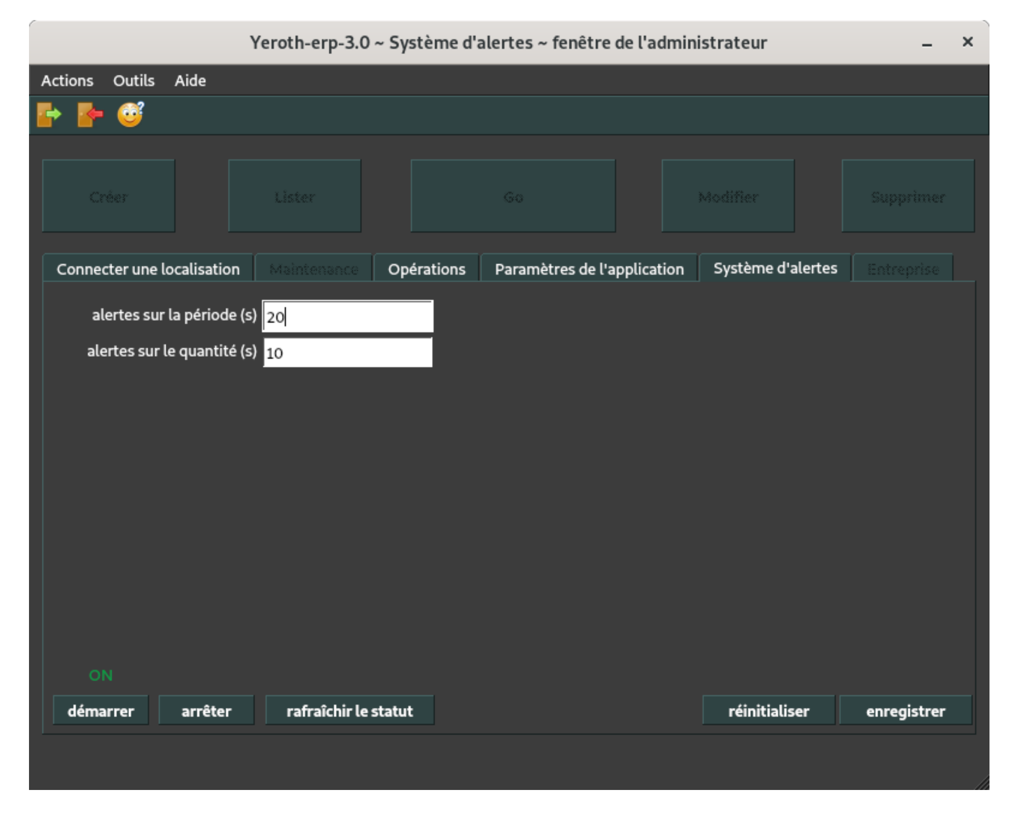


Figure 11.4 – l'interface graphique de paramétrage du système d'alertes yeroth−erp−3.0.

Le système d'alertes est démarré par défaut lors du démarrage de l'ordinateur.

Il faut démarrer l'interface graphique de yeroth−erp−3.0 en tant qu'administrateur du système d'exploitation afin de pouvoir stopper le système d'alertes lorsqu'il a été démarré lors du démarrage de l'ordinateur.

Les paramètres du système d'alertes qui peuvent être modifiés sont les suivants :

1) **alertes sur la période (s)** : définit l'intervalle de temps (en secondes) après lequel yeroth−erp−3.0 visite la base de données pour voir s'il y'a de nouvelles alertes sur les périodes de temps
2) **alertes sur la quantité (s)** : définit l'intervalle de temps (en secondes) après lequel yeroth−erp−3.0 visite la base de données pour voir s'il y'a de nouvelles alertes sur les quantités en stocks.

Cette interface graphique permet aussi :

1) de **démarrer le système d'alertes** en pressant sur le bouton "**démarrer**". Lorsque le système d'alertes est en marche, le mot anglais '**ON**' est affiché en vert au dessus du boutton "**démarrer**".
2) **d'arrêter le système d'alertes** en pressant sur le bouton "**arrêter**". Lorsque le système d'alertes n'est pas en marche, le mot anglais '**OFF**' est affiché en couleur rouge au dessus du boutton "**arrêter**".

   Cette action nécessite que l'utilisateur est démarré yeroth−erp−3.0 en tant qu'administrateur du système d'exploitation.
3) **d'actualiser le statut** dans lequel se trouve le système d'alertes en pressant sur le bouton "**rafraîchir le statut**".

11.5 Les Alertes

11.5.1 Afficher les détails d'une alerte

La figure 11.5 illustre l'interface graphique de yeroth–erp–3.0 qui affiche les détails d'une alerte.

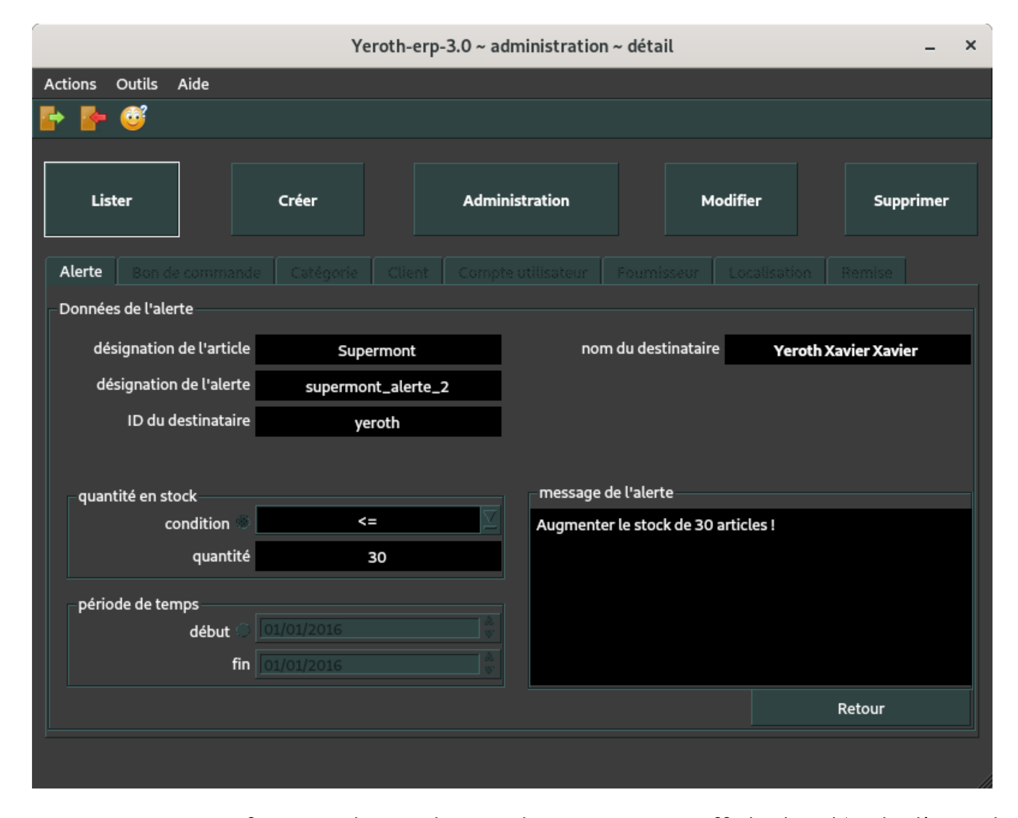


Figure 11.5 – Une interface graphique de yeroth–erp–3.0 qui affiche les détails d'une alerte.

✓ ***Procédure pour afficher les détails d'une alerte***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**une alerte**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.7.
4) Sélectionner l'alerte dont vous souhaitez afficher les détails dans la liste des alertes affichée.
5) Cliquer sur le bouton "**Afficher**". Les détails sur le stock sont affichés dans une nouvelle fenêtre.

11.5.2 Créer une alerte

La figure 11.6 illustre l'interface graphique de yeroth–erp–3.0 pour créer une alerte.

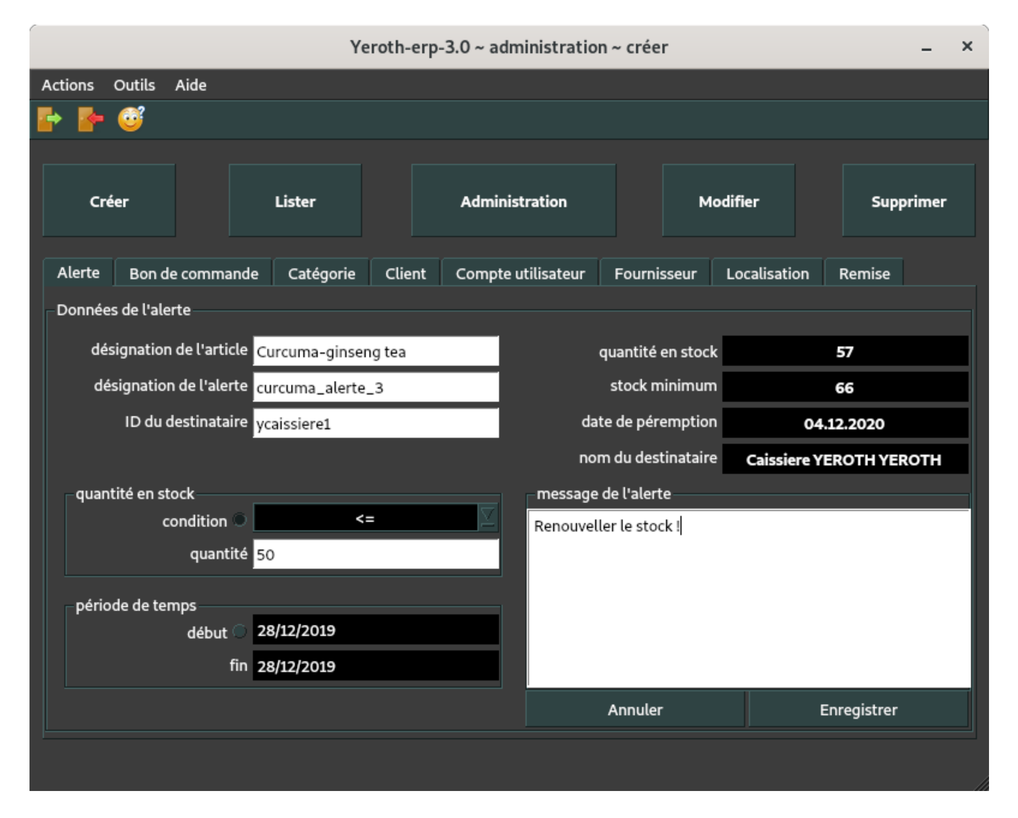


Figure 11.6 – L'interface graphique pour créer des alertes.

✓ ***Procédure pour créer une alerte*** Consulter les sections 4.2 et 4.3 pour savoir comment créer respectivement des alertes sur la quantité en stock et des alertes sur la période de temps.

11.5.3 Lister les alertes

La figure 11.7 illustre l'interface graphique de yeroth−erp−3.0 qui liste les alertes.

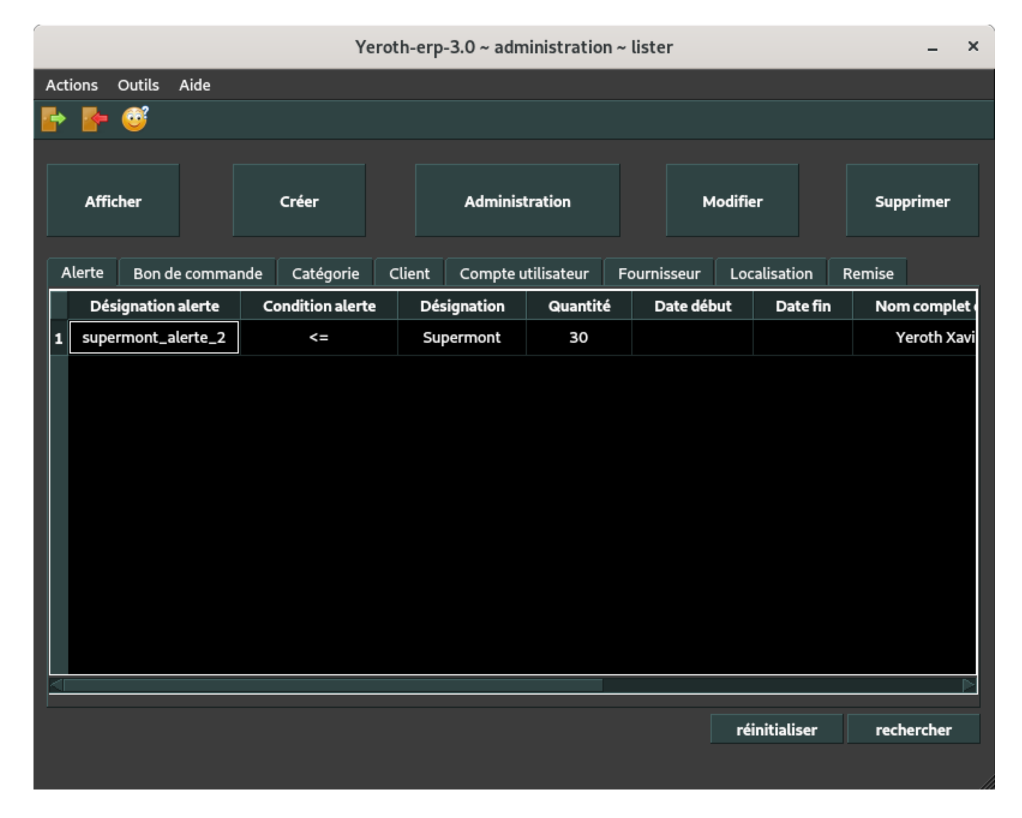


Figure 11.7 – L'interface graphique qui liste les alertes.

✓ ***Procédure pour lister les alertes***

1) À partir de l'interface graphique de l'accueil de l'administration (voir la figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**une alerte**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre qui liste les alertes (voir la figure 11.7).

11.5.4 Modifier les détails d'une alerte

La figure 11.8 illustre l'interface graphique de yeroth−erp−3.0 pour modifier les détails d'une alerte.

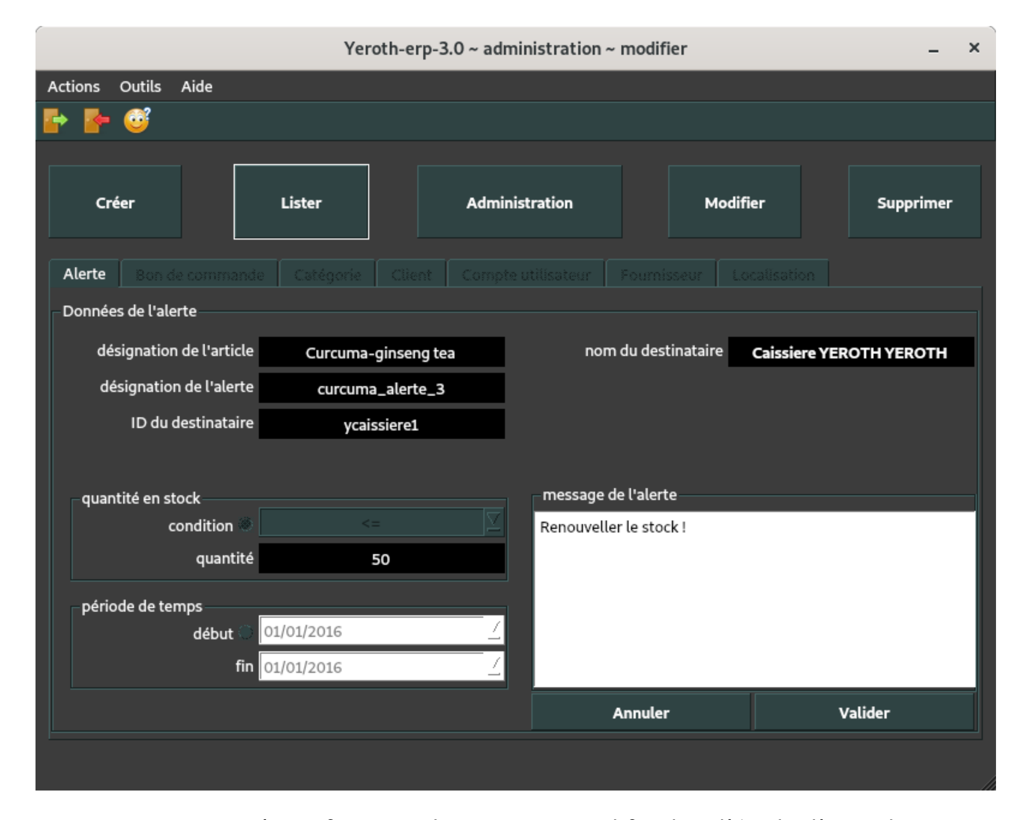


Figure 11.8 – L'interface graphique pour modifier les d'étails d'une alerte.

✓ ***Procédure pour modifier les détails d'une alerte***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**une alerte**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.7.
4) Sélectionner l'alerte dont vous souhaitez modifier les détails dans la liste des alertes affichée.
5) Cliquer sur le bouton "**Modifier**". Les détails sur le stock sont affichés dans une nouvelle fenêtre.
6) Faites les modifications que vous souhaitez. Pour les alertes, seul le message d'alerte peut être modifié.
7) Cliquer sur le bouton "**valider**" pour valider les modifications faites.

11.5.5 Supprimer une alerte

La figure 11.9 illustre l'interface graphique de yeroth−erp−3.0 pour supprimer une alerte.

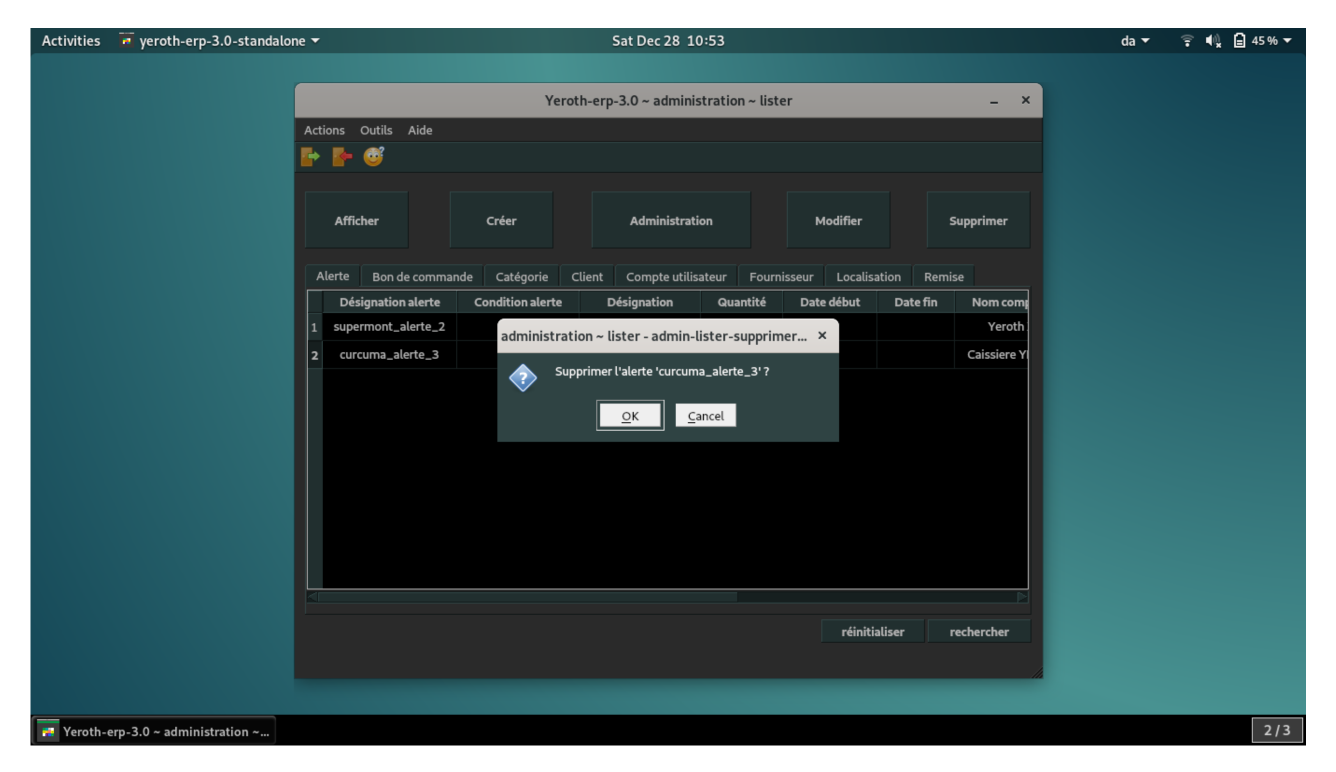


Figure 11.9 – L'interface graphique pour supprimer des alertes.

✓ ***Procédure pour supprimer une alerte***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**supprimer**' dans le '*combo box opérations*'.
3) Choisir '**une alerte**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.7.
4) Sélectionner l'alerte à supprimer dans la liste des alertes affichée.
5) Cliquer sur le bouton "**Supprimer**". La question est ensuite posée si vous confirmer votre choix. Cliquer sur le "**OK**" pour confirmer votre choix.

11.6 Les Catégories d'Articles

11.6.1 Afficher les détails d'une catégorie d'articles

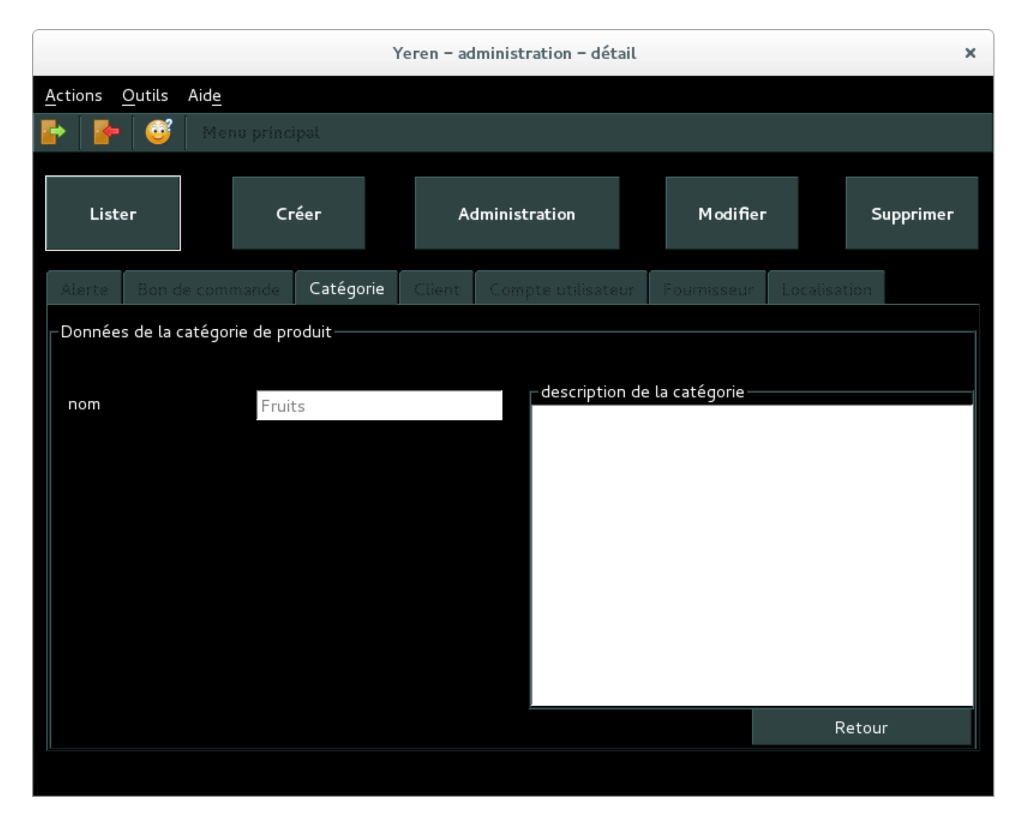


Figure 11.10 – L'interface graphique pour afficher les détails d'une catégorie d'articles.

La figure 11.10 illustre l'interface graphique de yeroth–erp–3.0 qui affiche les détails d'une catégorie d'articles.

✓ ***Procédure pour afficher les détails d'une catégorie d'articles***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**une catégorie d'articles**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.12.
4) Sélectionner la catégorie d'articles dont vous souhaitez afficher les détails.
5) Cliquer sur le bouton "**Afficher**". Les détails sur la catégorie d'articles sont affichés dans une nouvelle fenêtre.

11.6.2 Créer une catégorie d'articles

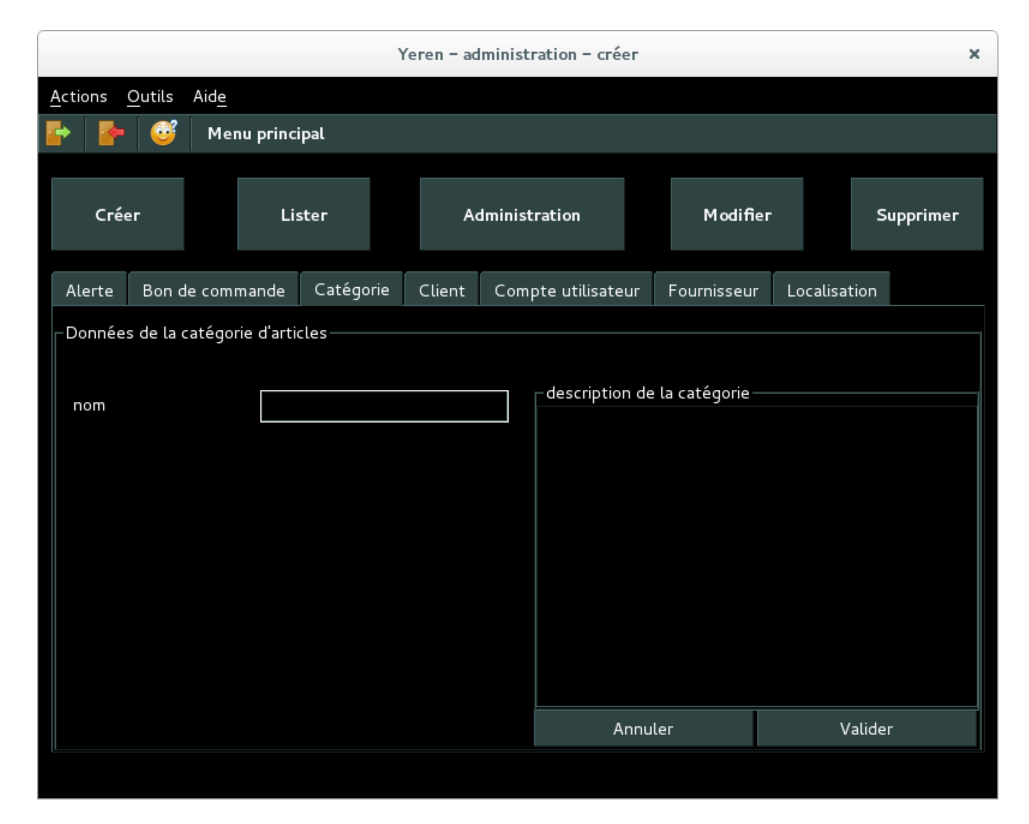


Figure 11.11 – L'interface graphique pour créer une catégorie d'articles.

La figure 11.11 illustre l'interface graphique de yeroth−erp−3.0 pour créer une nouvelle catégorie d'articles.

✓ ***Procédure pour créer une catégorie d'articles***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**créer**' dans le '*combo box opérations*'.
3) Choisir '**une catégorie d'articles**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.11.
4) Saisissez la désignation de la nouvelle catégorie d'articles à créer dans le champs de texte '**désignation**'.
5) Si vous le souhaitez, saisisser un texte qui décrit cette nouvelle catégorie d'articles dans le champs de texte '**description de la catégorie**'.
6) Cliquer sur le bouton "**Valider**" pour valider votre travail.

11.6.3 Lister les catégories d'articles

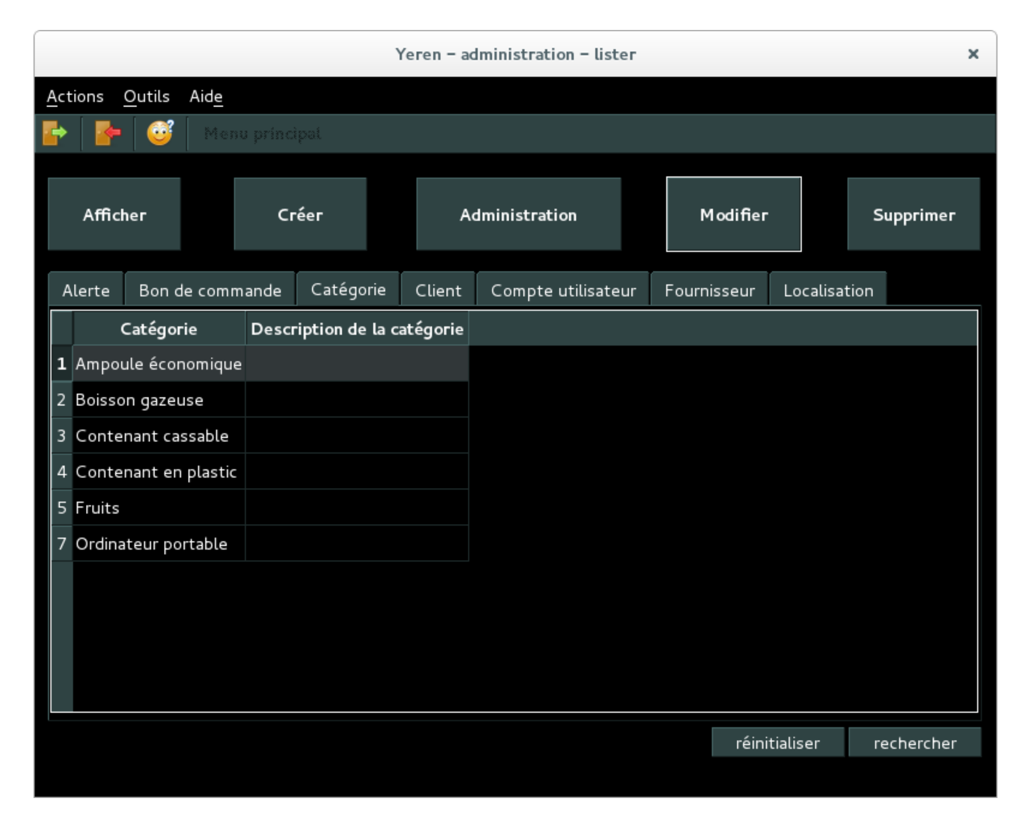


Figure 11.12 – L'interface graphique qui liste les catégories d'articles.

La figure 11.12 illustre l'interface graphique de yeroth–erp–3.0 qui liste les catégories d'articles.

✓ ***Procédure pour lister les catégories d'articles***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**une catégorie d'articles**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre qui liste les catégories d'articles (figure 11.12).

11.6.4 Modifier les détails d'une catégorie d'articles

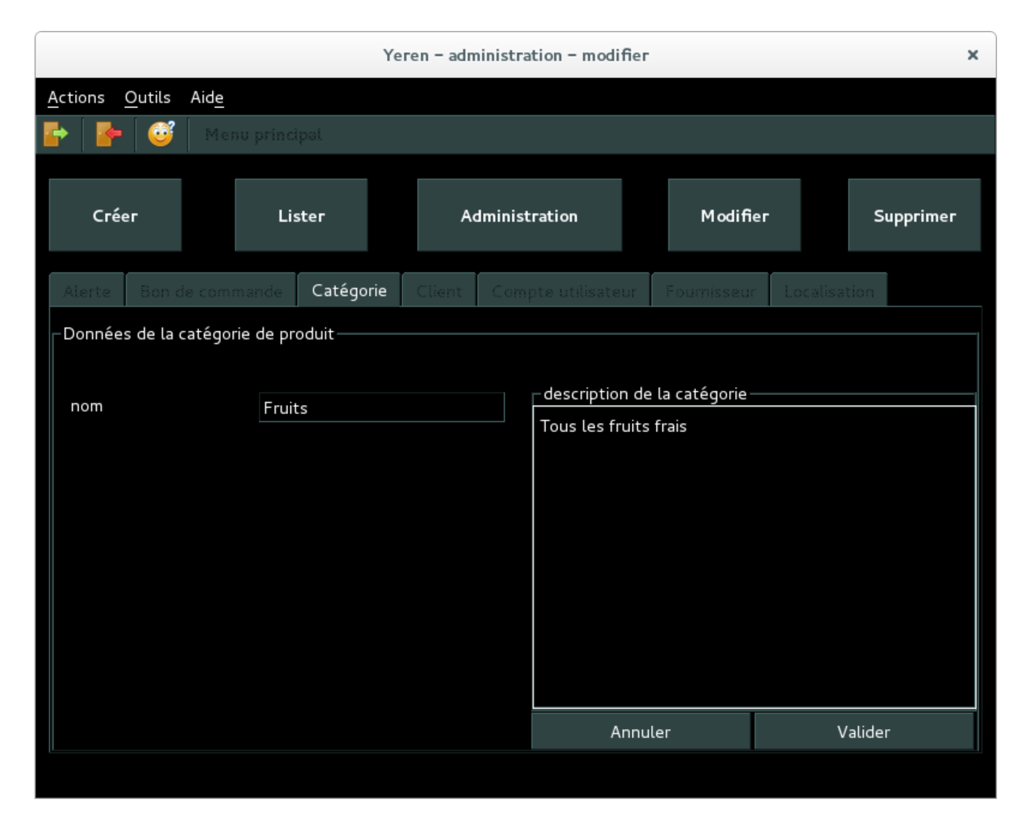


Figure 11.13 – L'interface graphique pour modifier les d'étails d'une catégorie d'articles.

La figure 11.13 illustre l'interface graphique de yeroth–erp–3.0 pour modifier les détails d'une catégorie d'articles.

✓ ***Procédure pour modifier les détails d'une catégorie d'articles***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**catégorie d'articles**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.12.
4) Sélectionner l'alerte dont vous souhaitez modifier les détails dans la liste des désignations des catégories d'articles affichée.
5) Cliquer sur le bouton "**Modifier**". Les détails sur le stock sont affichés dans une nouvelle fenêtre.
6) Faites les modifications que vous souhaitez. Pour les alertes, seul le message d'alerte peut être modifié.
7) Cliquer sur le bouton "**valider**" pour valider les modifications faites.

11.6.5 Supprimer une catégorie d'article

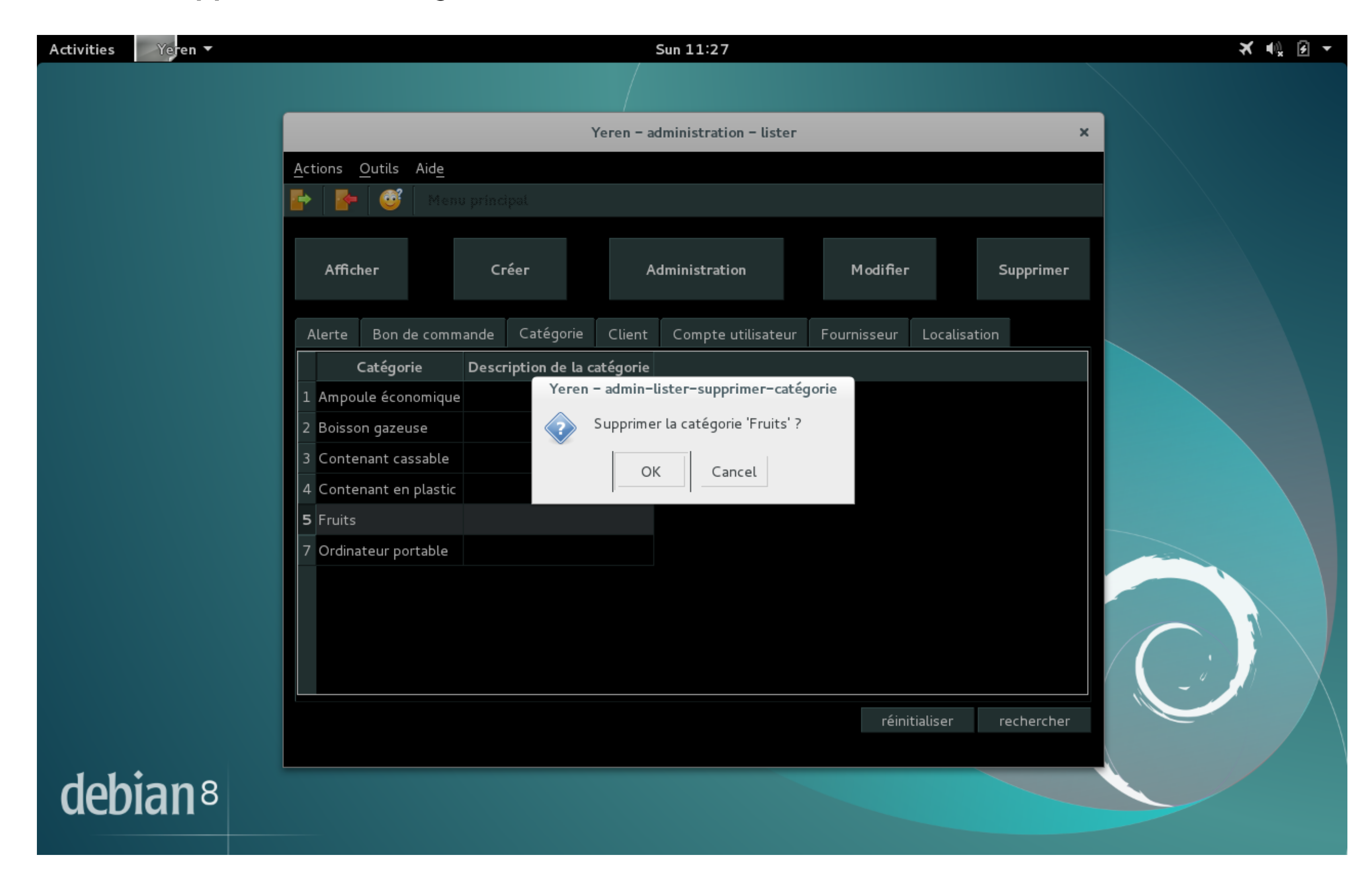


Figure 11.14 – L'interface graphique pour supprimer une catégorie d'articles.

La figure 11.14 illustre l'interface graphique de yeroth–erp–3.0 pour supprimer une catégorie d'articles.

✓ ***Procédure pour supprimer une catégorie d'articles***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**supprimer**' dans le '*combo box opérations*'.
3) Choisir '**une catégorie d'articles**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.12.
4) Sélectionner l'alerte à supprimer dans la liste des désignations des catégories d'articles affichée.
5) Cliquer sur le bouton "**Supprimer**". La question est ensuite posée si vous confirmer votre choix. Cliquer sur le "**OK**" pour confirmer votre choix.

11.7 Les Comptes Clients

11.7.1 Afficher les détails d'un compte client

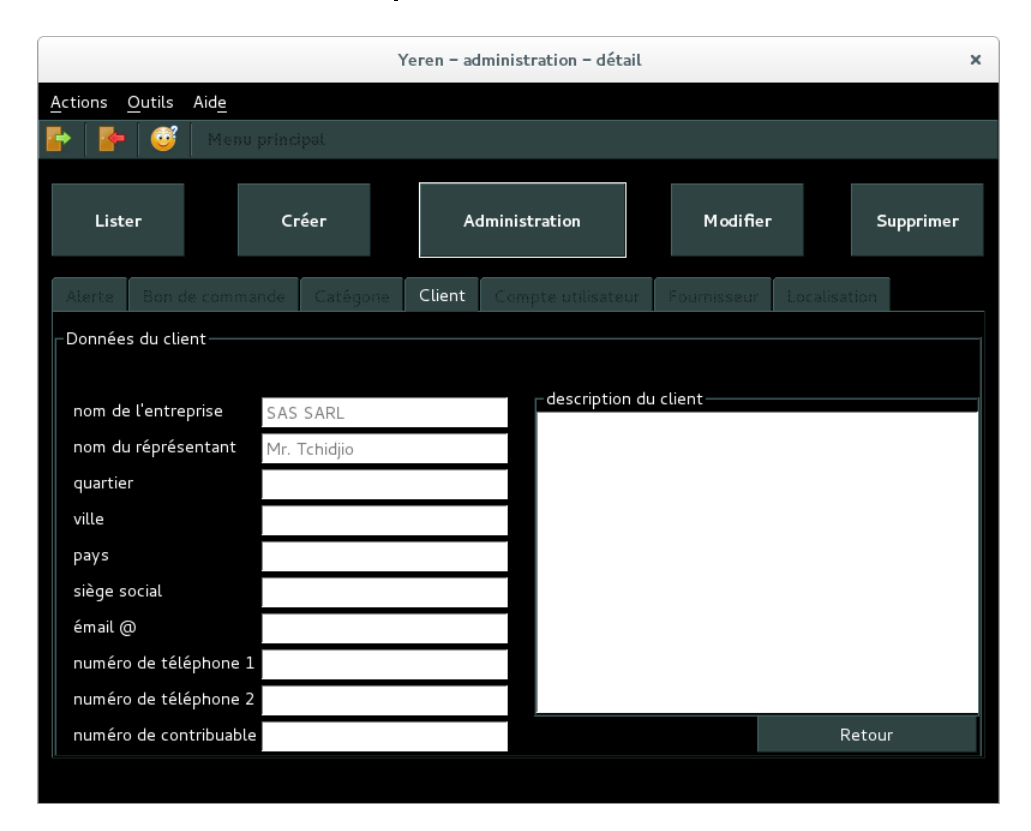


Figure 11.15 – L'interface graphique pour afficher les détails d'un compte client.

La figure 11.15 illustre l'interface graphique de yeroth–erp–3.0 qui affiche les détails d'un compte client.

✓ ***Procédure pour afficher les détails d'un compte client***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**un compte client**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.17.
4) Sélectionner le compte client dont vous souhaitez afficher les détails dans la liste des comptes clients affichée.
5) Cliquer sur le bouton "**Afficher**". Les détails du compte client sont affichés dans une nouvelle fenêtre.

11.7.2 Créer un compte client

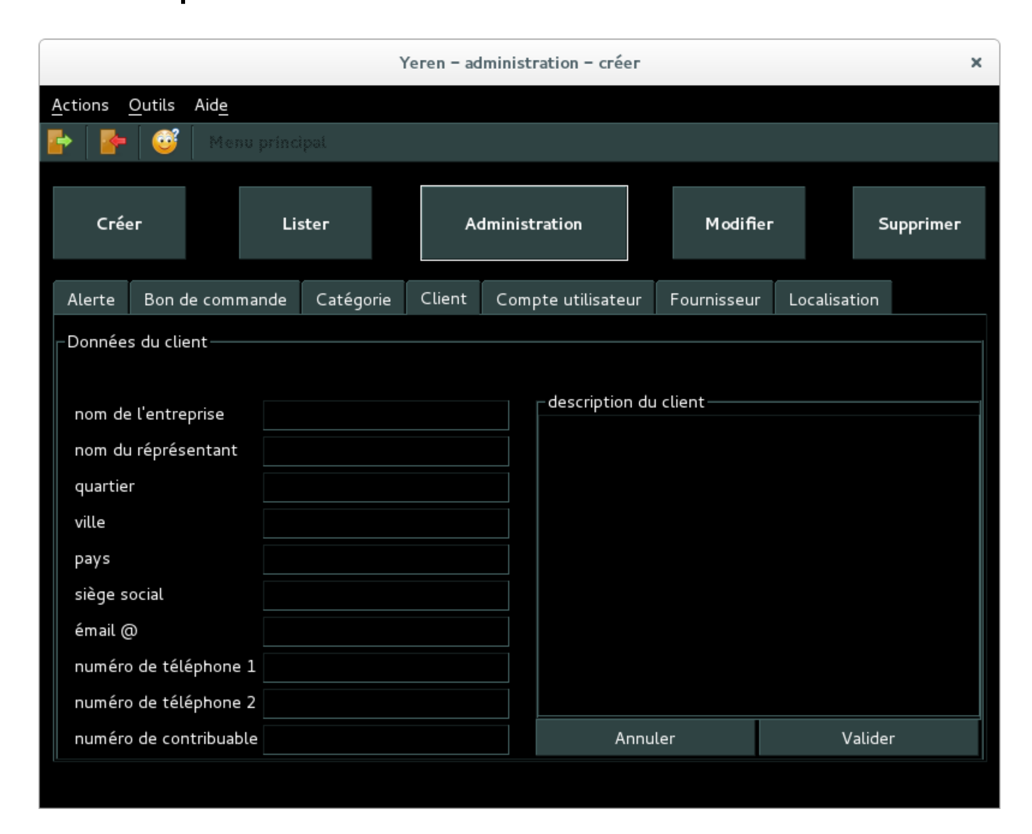


Figure 11.16 – L'interface graphique pour créer un compte client.

La figure 11.16 illustre l'interface graphique de yeroth–erp–3.0 pour créer un nouveau compte client.

✓ ***Procédure pour créer un compte client***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**créer**' dans le '*combo box opérations*'.
3) Choisir '**un compte client**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.16.
4) Saisissez les informations requises dans les champs de texte suivants :
   1) nom de l'entreprise ***[obligatoire]***
   2) nom du réprésentant ***[obligatoire]***
   3) quartier
   4) ville
   5) pays
   6) siège social
   7) émail@
   8) numéro de téléphone 1
   9) numéro de téléphone 2
   10) numéro de contribuable
   11) description du client.
5) Cliquer sur le bouton "**Valider**" pour valider votre travail.

11.7.3 Lister les comptes clients

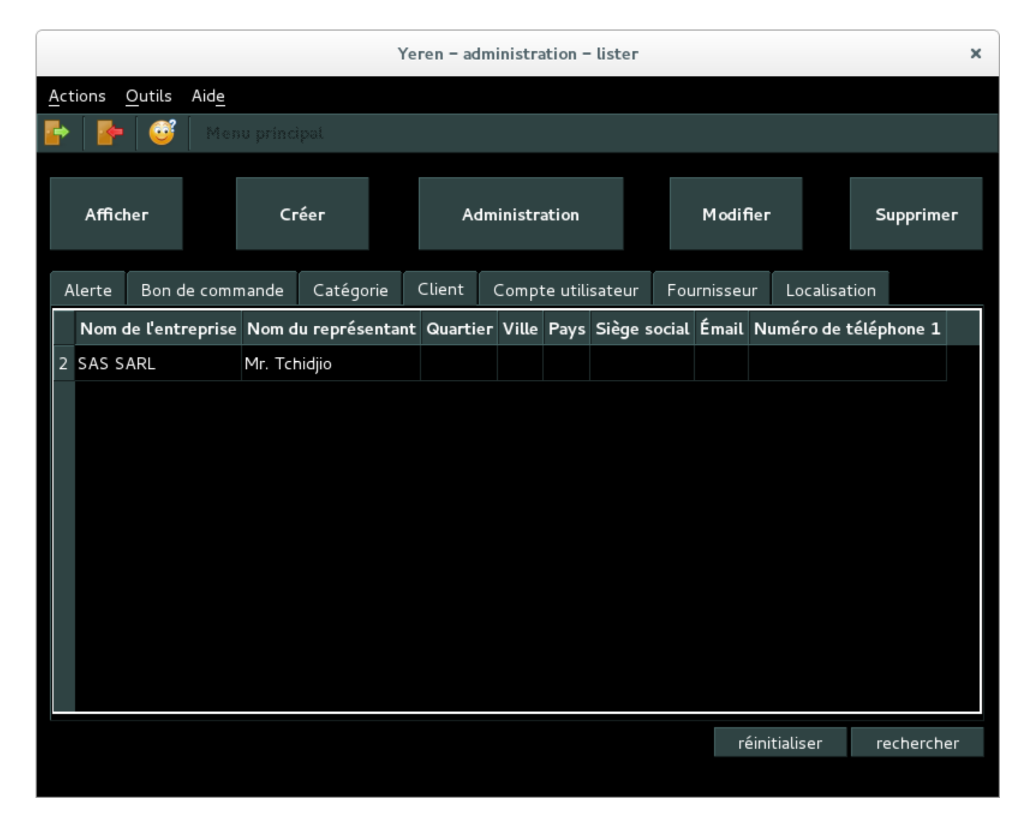


Figure 11.17 – L'interface graphique qui liste les comptes clients.

La figure 11.17 illustre l'interface graphique de yeroth–erp–3.0 qui liste les comptes clients.

✓ ***Procédure pour lister les comptes clients***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**un compte client**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre qui liste les comptes clients (figure 11.17).

11.7.4 Modifier les détails d'un compte client

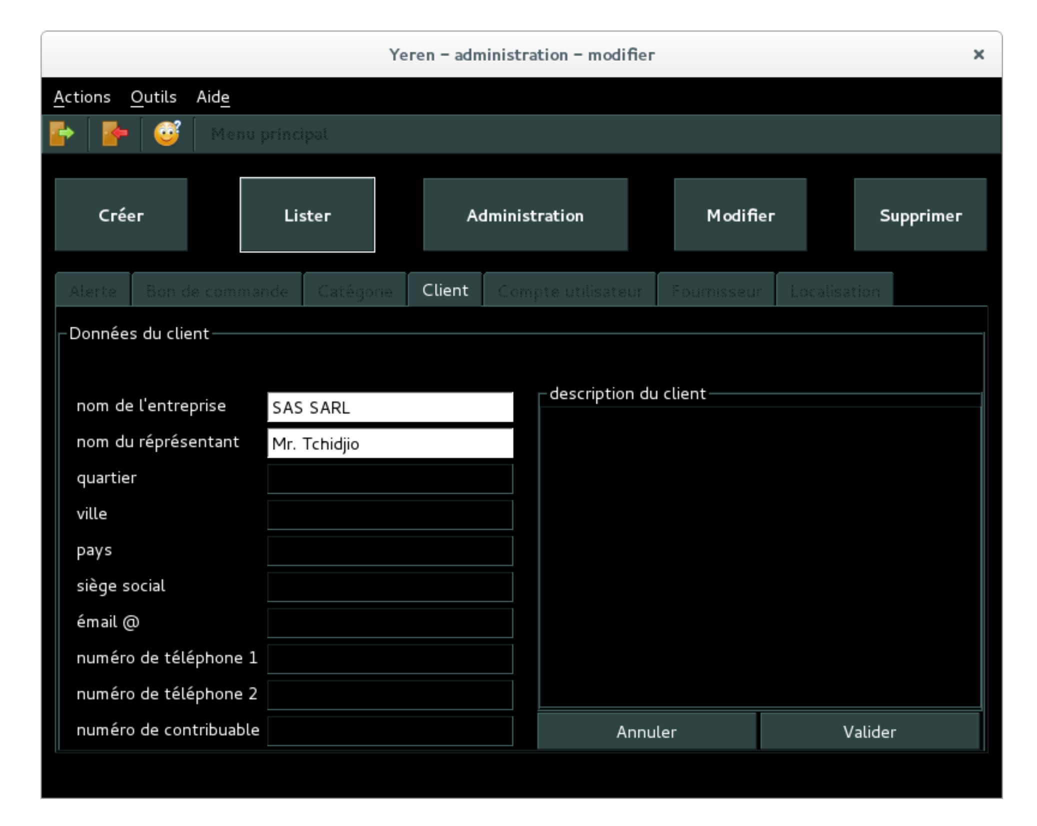


Figure 11.18 – L'interface graphique pour modifier les détails d'un compte client.

La figure 11.18 illustre l'interface graphique de yeroth–erp–3.0 pour modifier les détails d'un compte client.

✓ ***Procédure pour modifier les détails d'un compte client***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**un compte client**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.17.
4) Sélectionner le compte client dont vous souhaitez modifier les détails dans la liste des comptes clients affichée.
5) Cliquer sur le bouton "**Modifier**". Les détails du compte client sont affichés dans une nouvelle fenêtre.
6) Faites les modifications que vous souhaitez.
7) Cliquer sur le bouton "**valider**" pour valider les modifications faites.

11.7.5 Supprimer un compte client

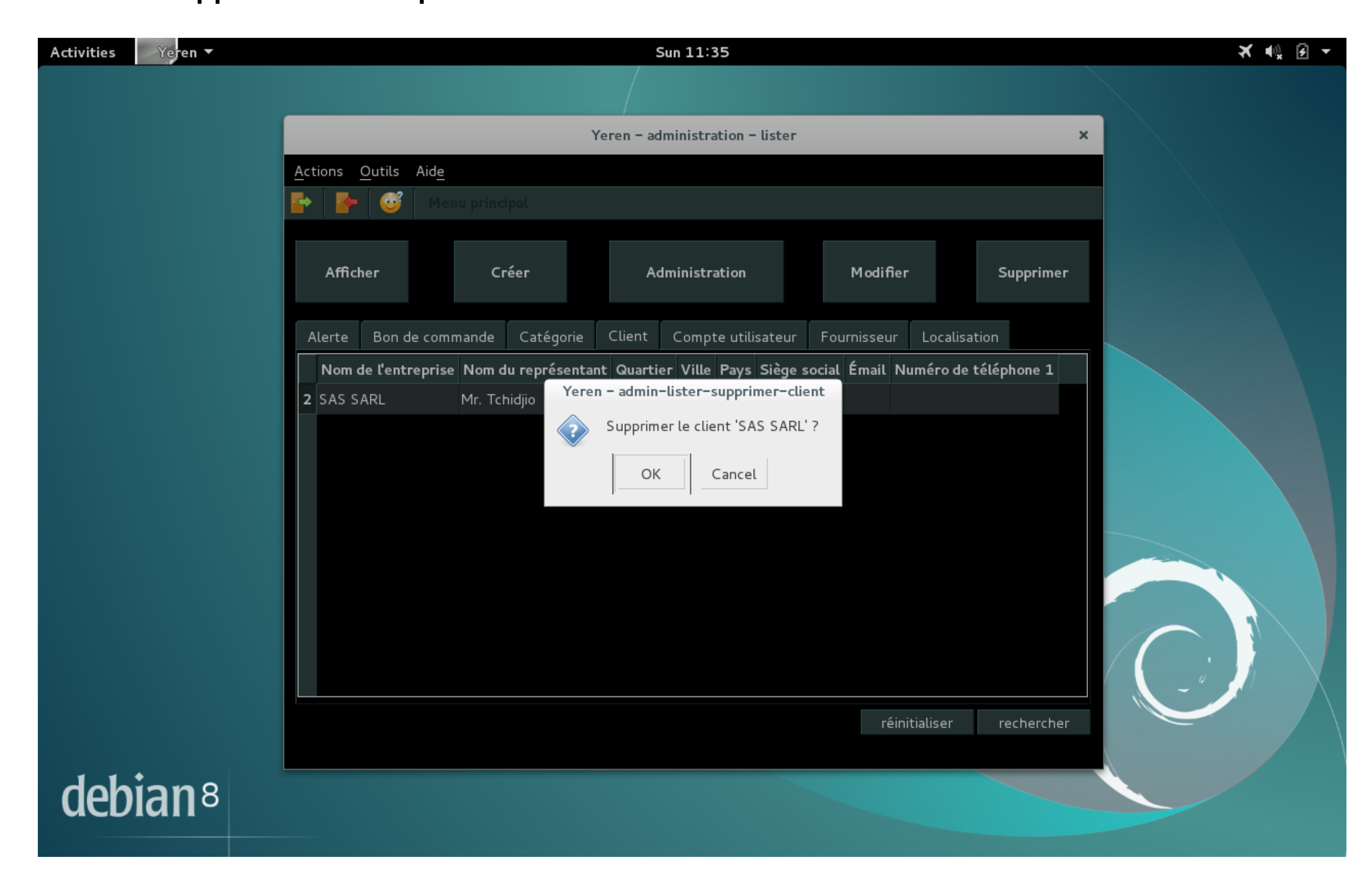


Figure 11.19 – L'interface graphique pour supprimer un compte client.

La figure 11.19 illustre l'interface graphique de yeroth–erp–3.0 pour supprimer un compte client.

✓ ***Procédure pour supprimer un compte client***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**supprimer**' dans le '*combo box opérations*'.
3) Choisir '**un compte client**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.17.
4) Sélectionner le compte client à supprimer dans la liste des comptes clients affichée.
5) Cliquer sur le bouton "**Supprimer**". La question est ensuite posée si vous confirmer votre choix. Cliquer sur le "**OK**" pour confirmer votre choix.

11.8 Les Comptes Fournisseurs

11.8.1 Afficher les détails d'un compte fournisseur

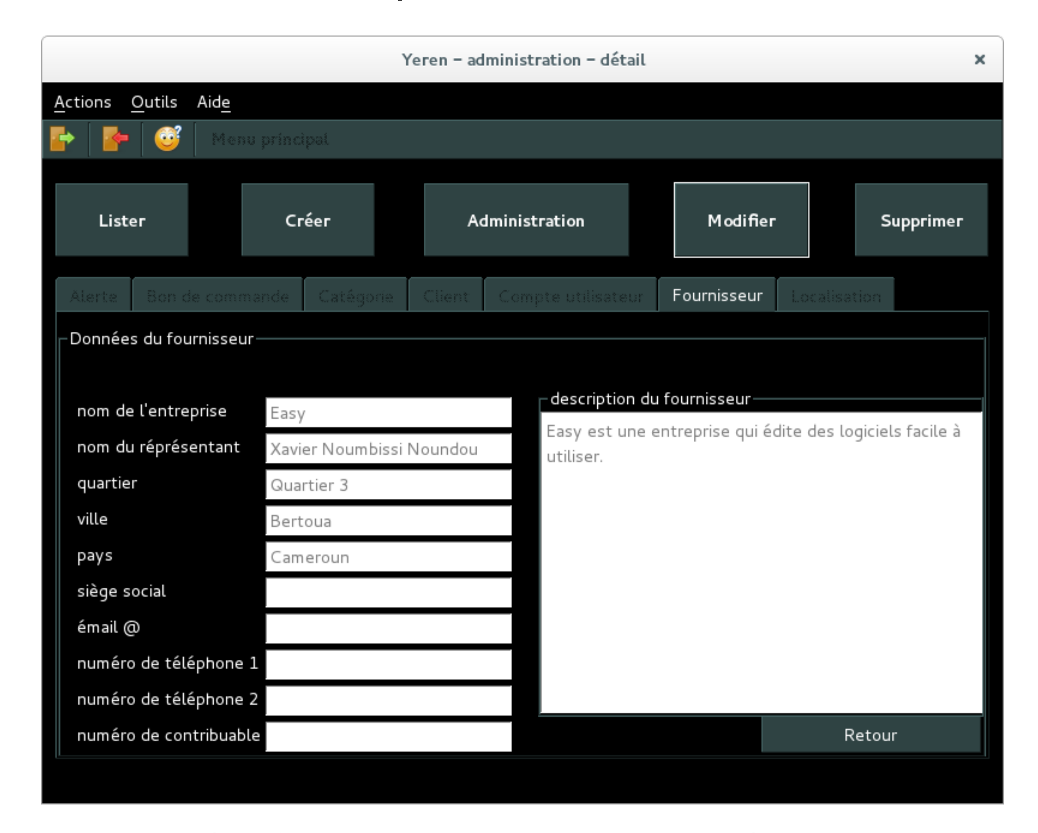


Figure 11.20 – L'interface graphique pour afficher les détails d'un compte fournisseur.

La figure 11.20 illustre l'interface graphique de yeroth–erp–3.0 qui affiche les détails d'un compte fournisseur.

✓ ***Procédure pour afficher les détails d'un compte fournisseur***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**un compte fournisseur**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.22.
4) Sélectionner le compte fournisseur dont vous souhaitez afficher les détails dans la liste des comptes fournisseurs affichée.
5) Cliquer sur le bouton "**Afficher**". Les détails sur le compte fournisseur sont affichés dans une nouvelle.

11.8.2 Créer un compte fournisseur

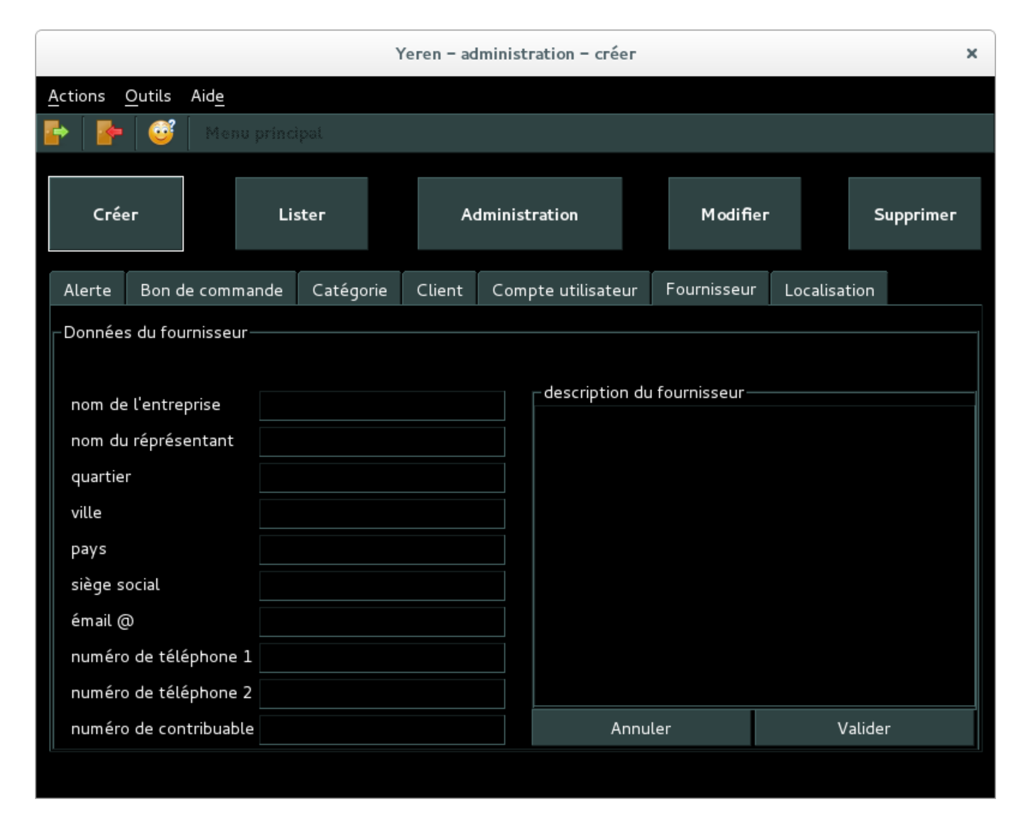


Figure 11.21 – L'interface graphique pour créer un nouveau compte fournisseur.

La figure 11.21 illustre l'interface graphique de yeroth–erp–3.0 pour créer un nouveau compte fournisseur.

✓ ***Procédure pour créer un compte fournisseur***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**créer**' dans le '*combo box opérations*'.
3) Choisir '**un compte fournisseur**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.21.
4) Saisissez les informations requises dans les champs de texte suivants :
   1) nom de l'entreprise ***[obligatoire]***
   2) nom du réprésentant
   3) quartier
   4) ville
   5) pays
   6) siège social
   7) email@
   8) numéro de téléphone 1
   9) numéro de téléphone 2
   10) numéro de contribuable
   11) description du fournisseur.
5) Cliquer sur le bouton "**Valider**" pour valider votre travail.

11.8.3 Lister les fournisseurs

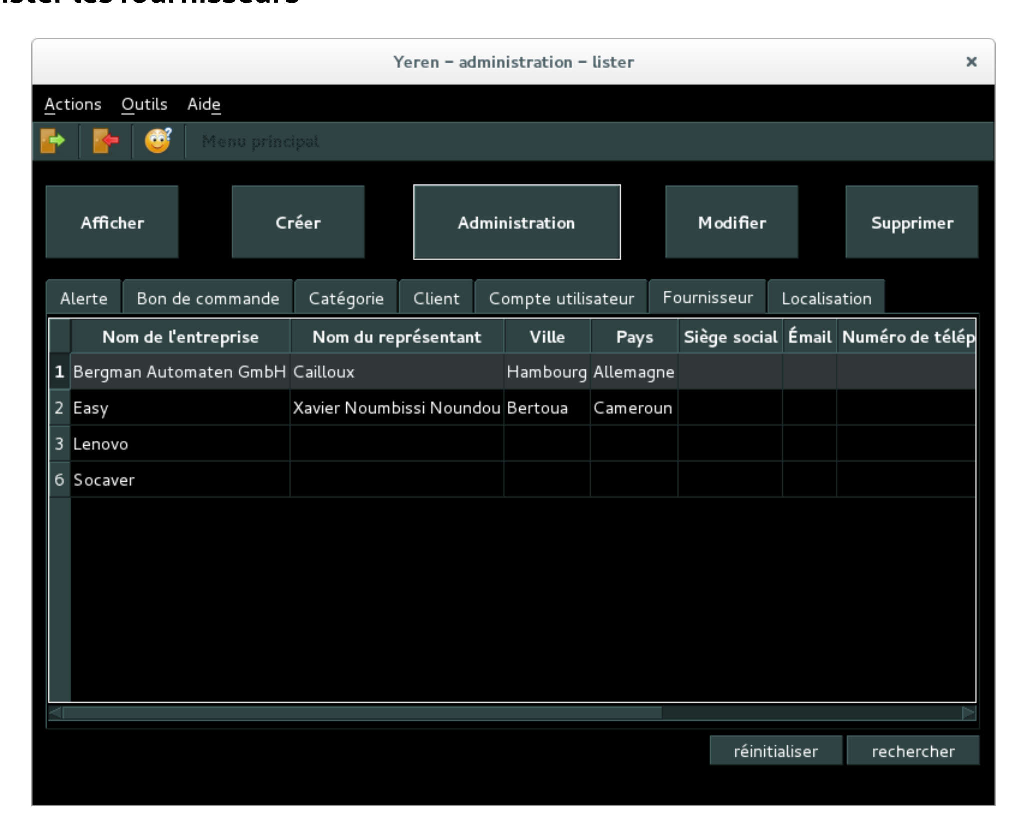


Figure 11.22 – L'interface graphique pour lister les comptes fournisseurs.

La figure 11.22 illustre l'interface graphique de yeroth–erp–3.0 qui liste les comptes fournisseurs.

√ ***Procédure pour lister les comptes fournisseurs***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**un compte fournisseur**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre qui liste les comptes fournisseurs (figure 11.22).

11.8.4 Modifier les détails d'un fournisseur

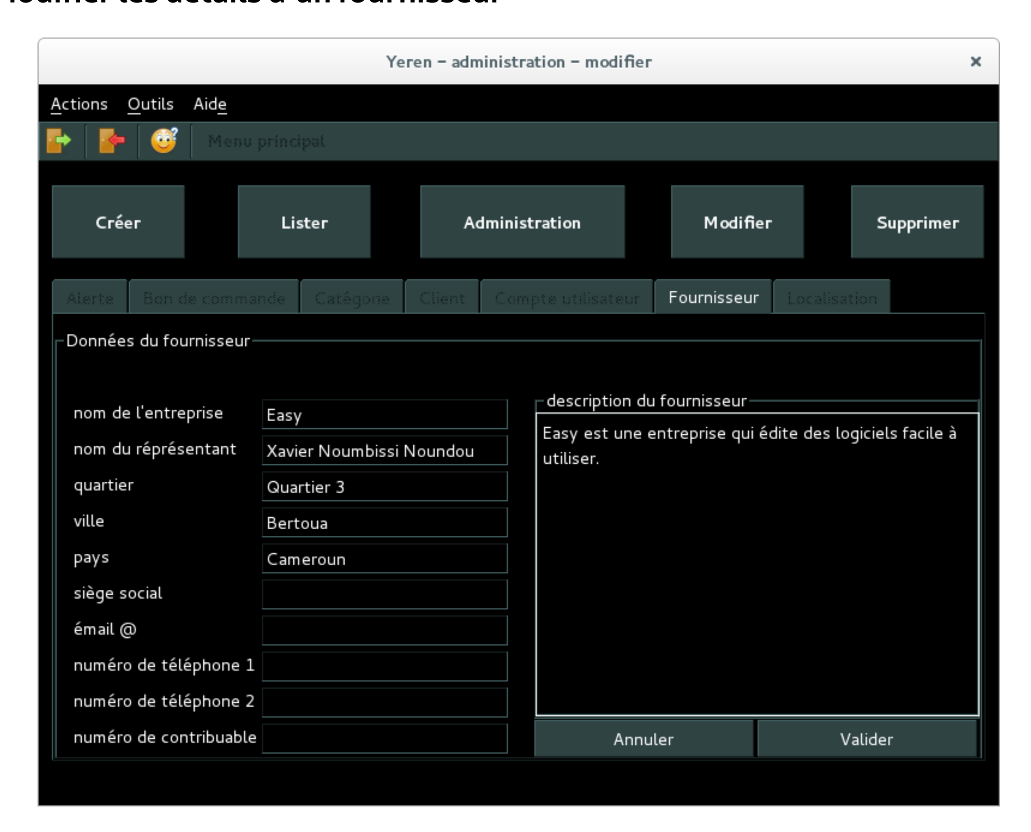


Figure 11.23 – L'interface graphique pour modifier les détails d'un compte fournisseur.

La figure 11.23 illustre l'interface graphique de yeroth–erp–3.0 pour modifier les détails d'un compte fournisseur.

✓ ***Procédure pour modifier les détails d'un compte fournisseur***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**un compte fournisseur**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.22.
4) Sélectionner le compte fournisseur dont vous souhaitez modifier les détails dans la liste des comptes fournisseurs affichée.
5) Cliquer sur le bouton "**Modifier**". Les détails du compte fournisseur sont affichés dans une nouvelle fenêtre.
6) Faites les modifications que vous souhaitez.
7) Cliquer sur le bouton "**valider**" pour valider les modifications faites.

11.8.5 Supprimer un compte fournisseur

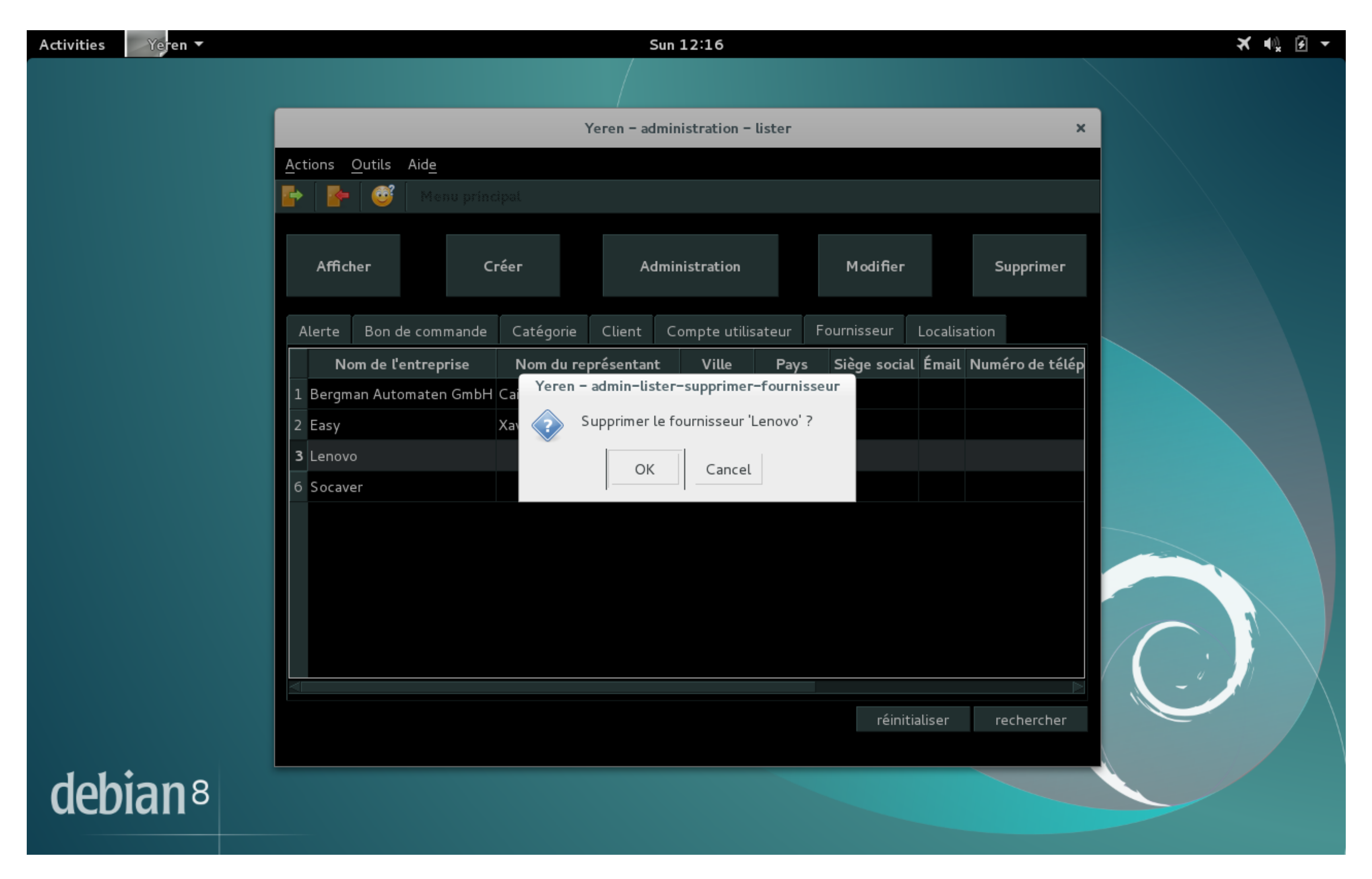


Figure 11.24 – L'interface graphique pour supprimer un fournisseur.

La figure 11.24 illustre l'interface graphique de yeroth–erp–3.0 pour supprimer un compte fournisseur.

✓ ***Procédure pour supprimer un compte fournisseur***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**supprimer**' dans le '*combo box opérations*'.
3) Choisir '**un compte fournisseur**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.22.
4) Sélectionner le compte fournisseur à supprimer dans la liste des comptes fournisseurs affichée.
5) Cliquer sur le bouton "**Supprimer**". La question est ensuite posée si vous confirmer votre choix. Cliquer sur le "**OK**" pour confirmer votre choix.

11.9 Les Comptes Utilisateurs

11.9.1 Afficher les détails d'un compte utilisateur

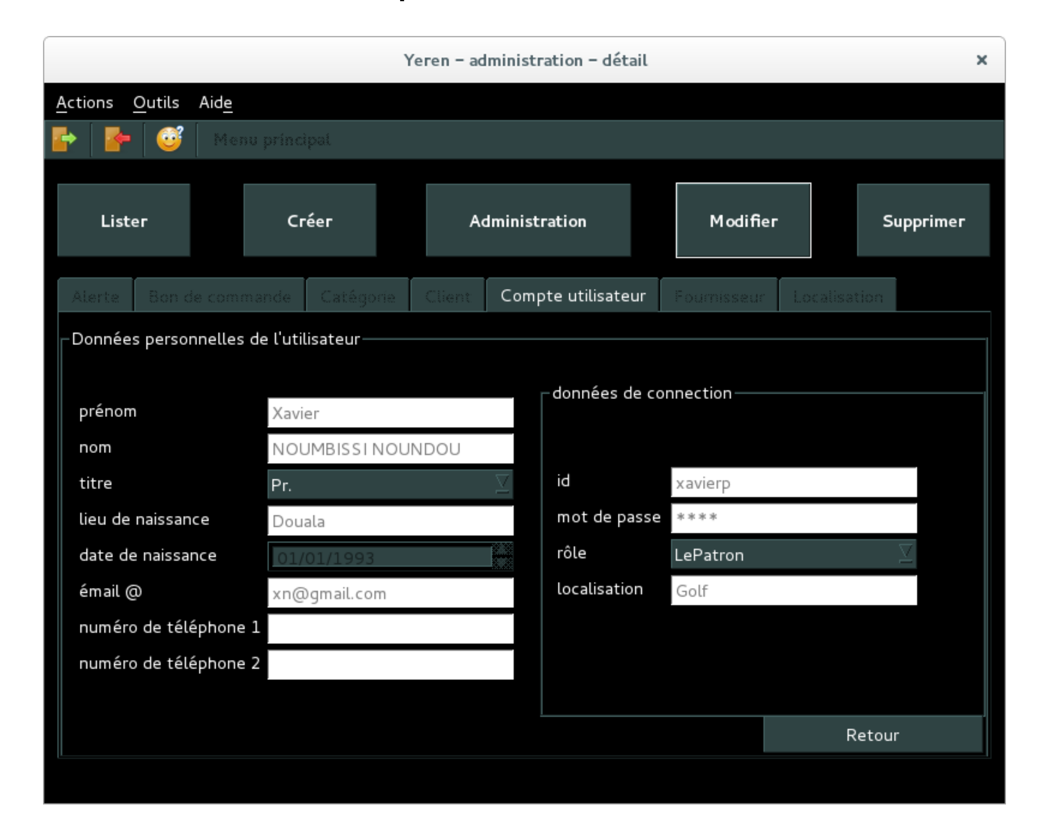


Figure 11.25 – L'interface graphique pour afficher les détails d'un compte utilisateur.

La figure 11.25 illustre l'interface graphique de yeroth–erp–3.0 qui affiche les détails d'un compte utilisateur.

✓ ***Procédure pour afficher les détails d'un compte utilisateur***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**un compte utilisateur**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.27.
4) Sélectionner le compte utilisateur dont vous souhaitez afficher les détails dans la liste des comptes utilisateurs affichée.
5) Cliquer sur le bouton "**Afficher**". Les détails sur le compte utilisateur sont affichés dans une nouvelle fenêtre.

11.9.2 Créer un compte utilisateur

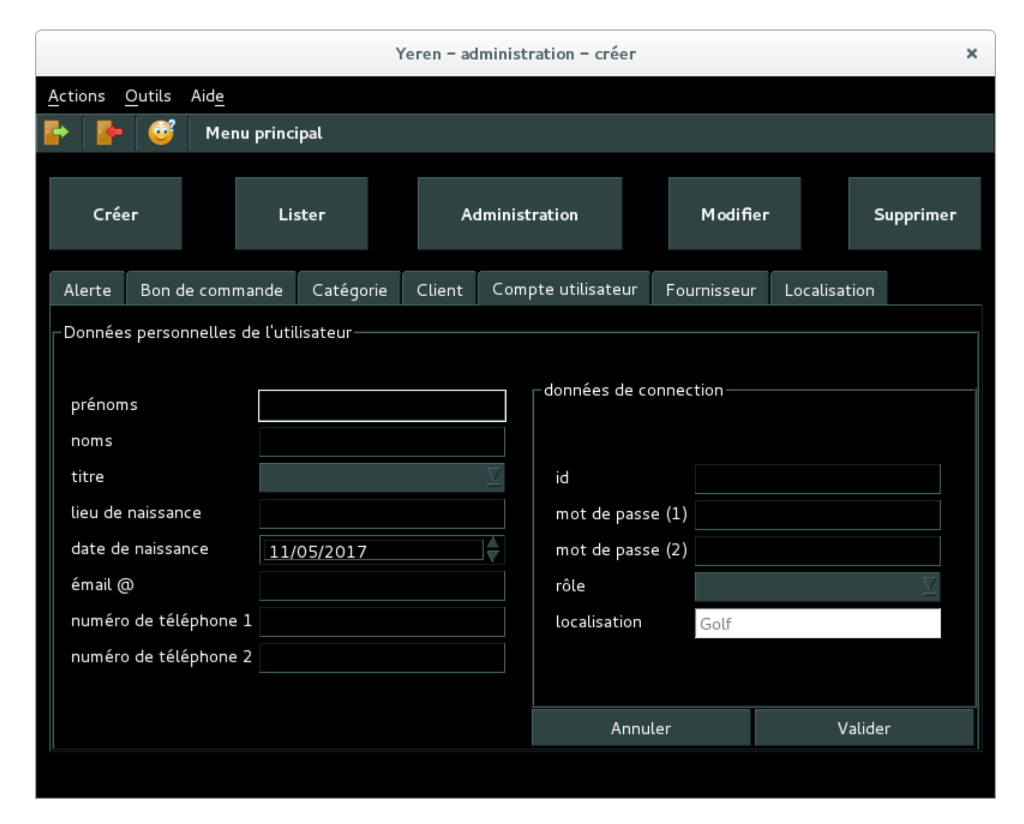


Figure 11.26 – L'interface graphique pour créer un compte utilisateur.

La figure 11.26 illustre l'interface graphique de yeroth–erp–3.0 pour créer un nouveau compte utilisateur.

✓ ***Procédure pour créer un compte utilisateur***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**créer**' dans le '*combo box opérations*'.
3) Choisir '**un compte utilisateur**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.26.
4) Saisissez les informations requises dans les champs de texte suivants :
   1) prénoms ***[obligatoire]***
   2) noms ***[obligatoire]***
   3) titre ***[obligatoire]***
   4) lieu de naissance
   5) date de naissance
   6) ville
   7) province / état
   8) pays
   9) boîte postale
   10) email
   11) numéro de téléphone 1
   12) numéro de téléphone 2
   13) nom d'utilisateur ***[obligatoire]***
   14) mot de passe ***[obligatoire]***
   15) vérification du mot de passe ***[obligatoire]***
   16) rôle ***[obligatoire]***.
5) Cliquer sur le bouton "**Valider**" pour valider votre travail.

11.9.3 Lister les comptes utilisateurs

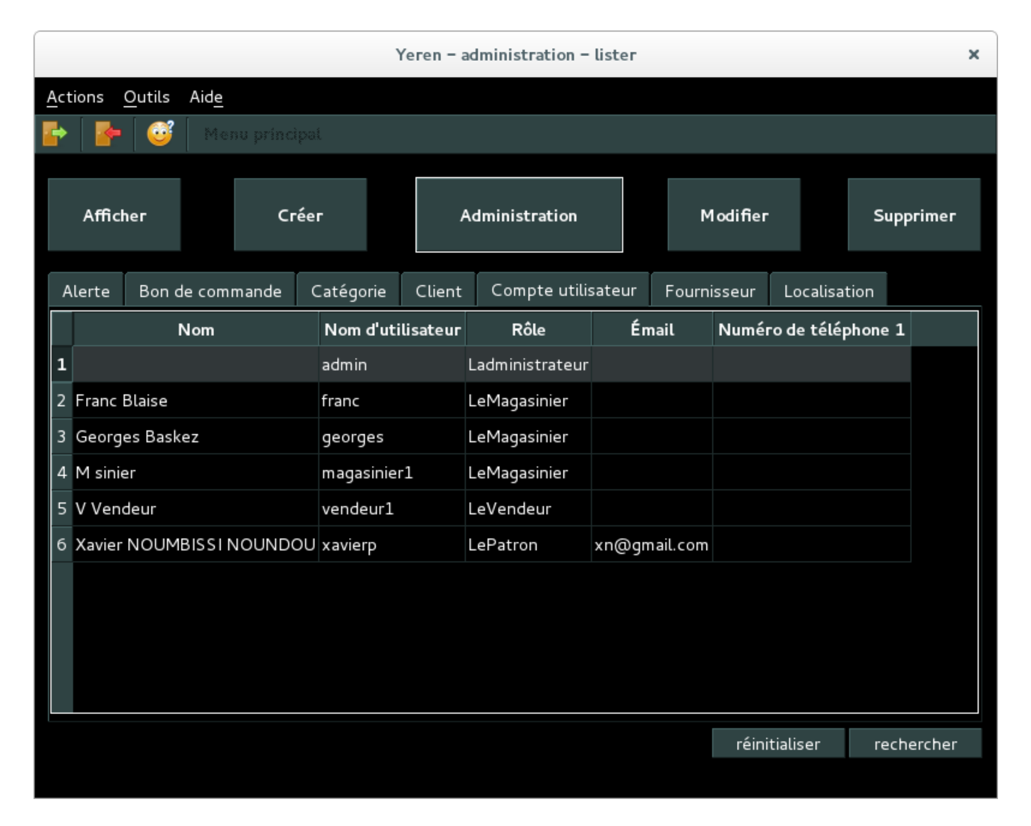


Figure 11.27 – L'interface graphique pour lister les comptes utilisateurs.

La figure 11.27 illustre l'interface graphique de yeroth–erp–3.0 qui liste les comptes utilisateurs.

✓ ***Procédure pour lister les comptes utilisateurs***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**un compte utilisateur**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre qui liste les comptes clients (figure 11.27).

11.9.4 Modifier les détails d'un compte utilisateur

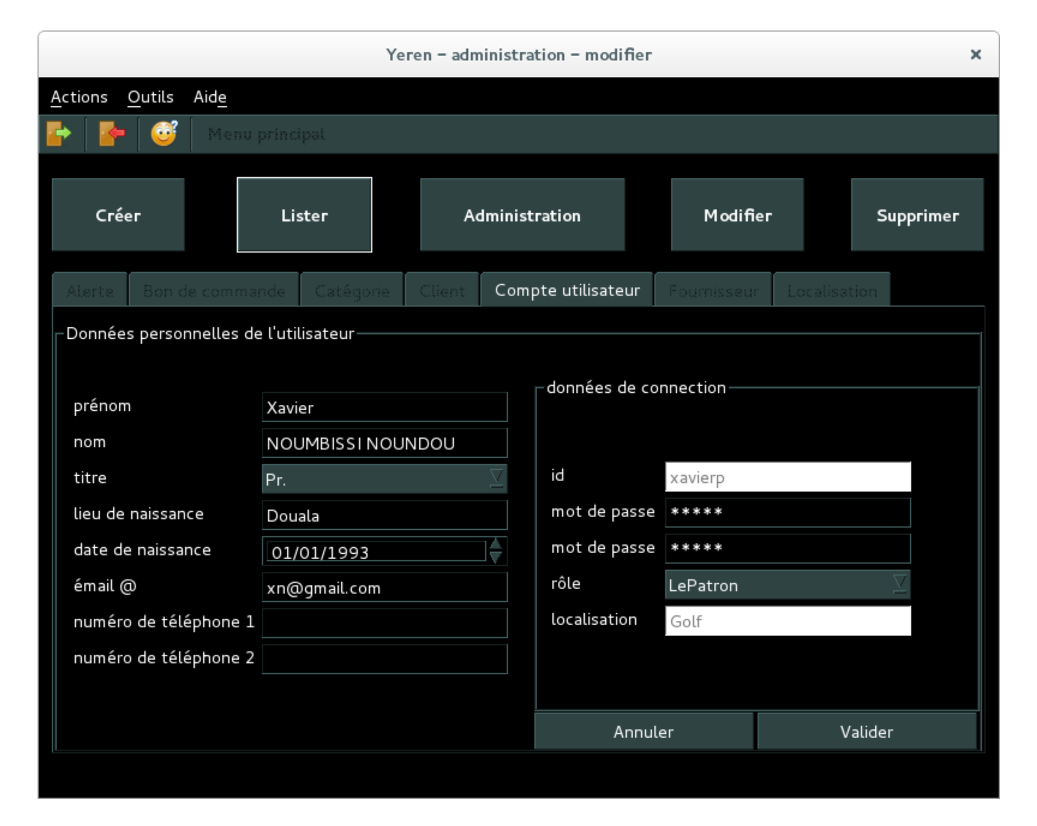


Figure 11.28 – L'interface graphique pour modifier les détails d'un compte utilisateur.

La figure 11.28 illustre l'interface graphique de yeroth–erp–3.0 pour modifier les détails d'un compte utilisateur.

✓ ***Procédure pour modifier les détails d'un compte utilisateur***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**un compte utilisateur**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.27.
4) Sélectionner le compte utilisateur dont vous souhaitez modifier les détails dans la liste des comptes utilisateurs affichée.
5) Cliquer sur le bouton "**Modifier**". Les détails du compte utilisateur sont affichés dans une nouvelle fenêtre.
6) Faites les modifications que vous souhaitez.
7) Cliquer sur le bouton "**valider**" pour valider les modifications faites.

11.9.5 Supprimer un compte utilisateur

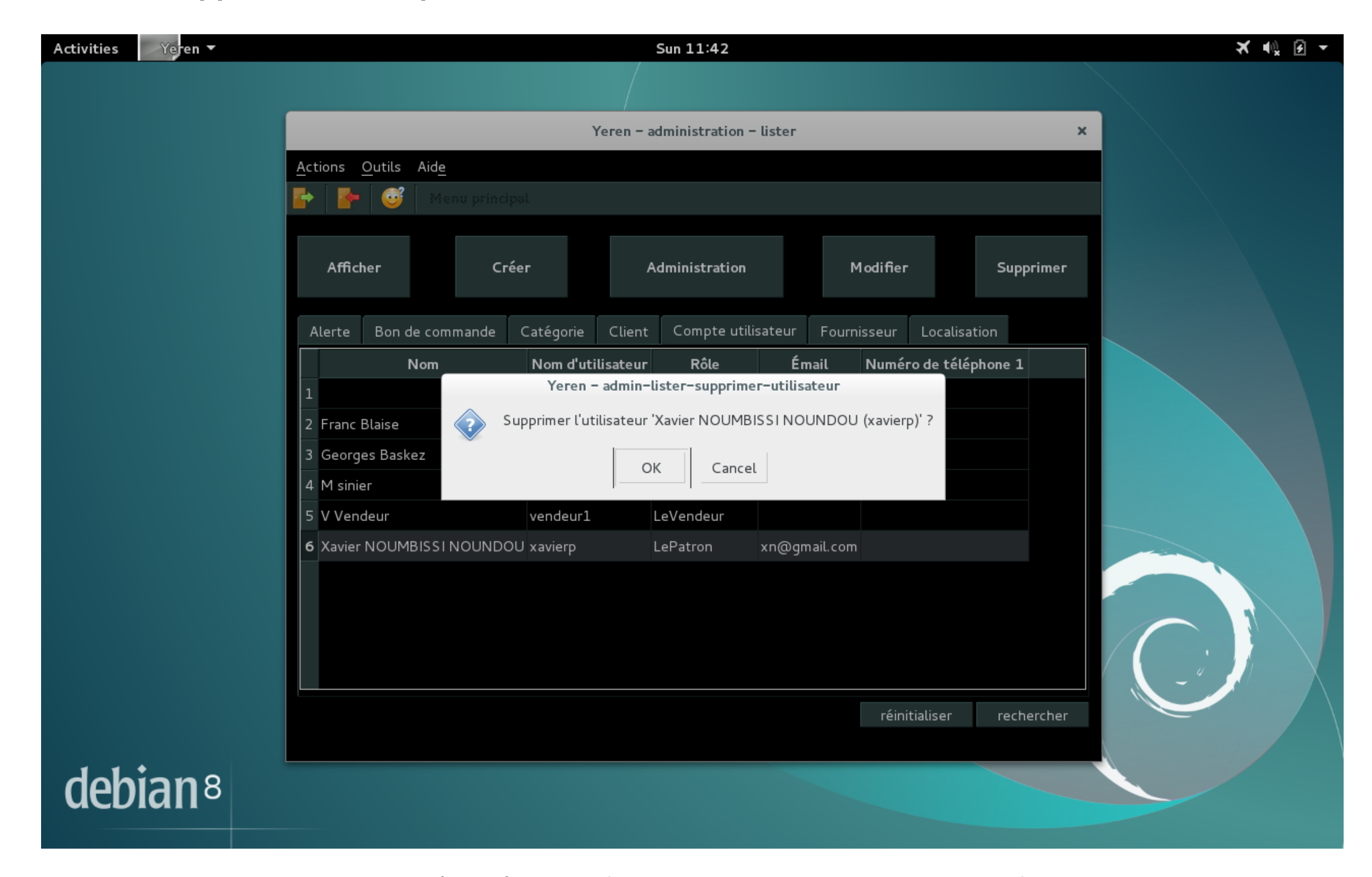


Figure 11.29 – L'interface graphique pour supprimer un compte utilisateur.

La figure 11.29 illustre l'interface graphique de yeroth–erp–3.0 pour supprimer un compte utilisateur.

✓ ***Procédure pour supprimer un compte utilisateur***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**supprimer**' dans le '*combo box opérations*'.
3) Choisir '**un compte utilisateur**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.27.
4) Sélectionner le compte utilisateur à supprimer dans la liste des comptes utilisateurs affichée.
5) Cliquer sur le bouton "**Supprimer**". La question est ensuite posée si vous confirmer votre choix. Cliquer sur le "**OK**" pour confirmer votre choix.

11.10 Les Localisations

Une localisation représente une boutique ou un dépôt de l'entreprise utilisant yeroth−erp−3.0.

Les informations sur une localisation permettent de se connecter à la base de données de la boutique ou du dépôt qu'elle représente.

11.10.1 Afficher les détails d'une localisation

La figure 11.30 illustre l'interface graphique de yeroth−erp−3.0 qui affiche les détails d'une localisation.

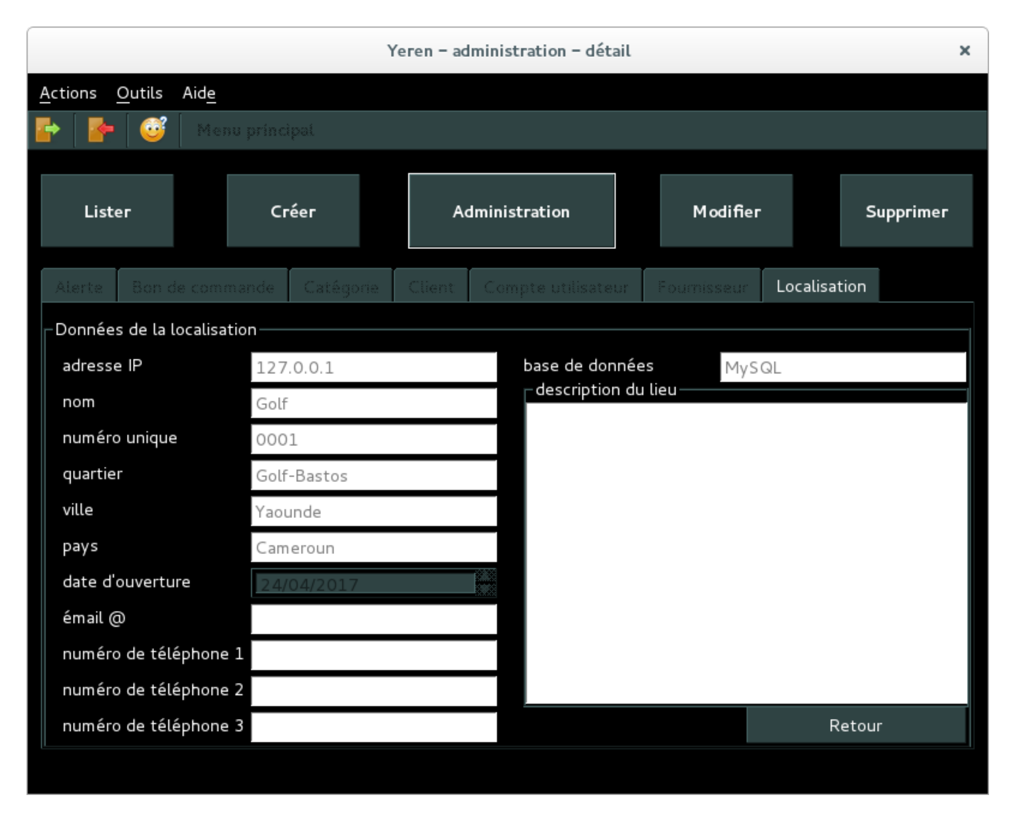


Figure 11.30 – L'interface graphique pour afficher les détails d'une localisation.

√ ***Procédure pour afficher les détails d'une localisation***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**une localisation**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.32.
4) Sélectionner la localisation dont vous souhaitez afficher les détails dans la liste des localisations affichée.
5) Cliquer sur le bouton "**Afficher**". Les détails sur la localisation choisie sont affichés dans une nouvelle fenêtre.

11.10.2 Créer une localisation

La figure 11.31 illustre l'interface graphique de yeroth−erp−3.0 pour créer une localisation.

√ ***Procédure pour créer une localisation***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**créer**' dans le '*combo box opérations*'.
3) Choisir '**une localisation**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.31.
4) Saisissez les informations requises dans les champs de texte suivants :
   1) adresse IP

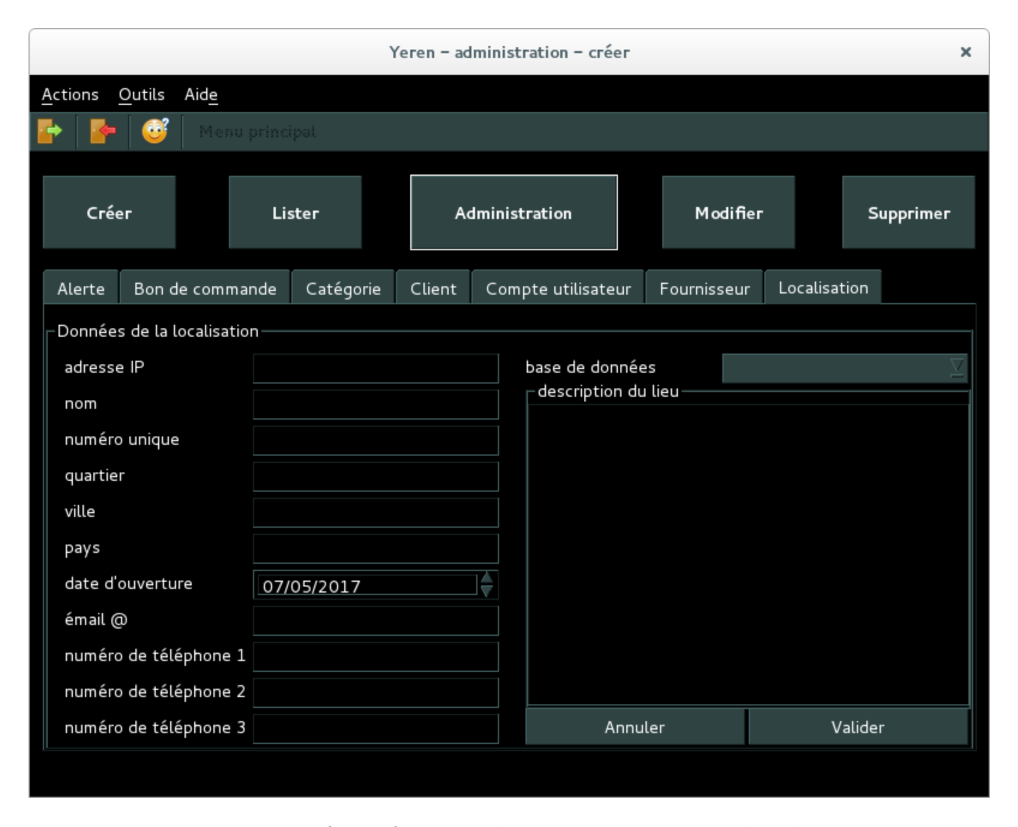


Figure 11.31 – L'interface graphique pour créer une localisation.

2) nom ***[obligatoire]***
3) numéro unique
4) quartier
5) ville
6) province / état
7) pays
8) boîte postale
9) date d'ouverture
10) émail@
11) numéro de téléphone 1
12) numéro de téléphone 2
13) base de données
14) description du lieu.

Si vous avez entré une adresse IP pour cette localisation, vous devez choisir le type de base de données utilisé dans cette localisation. Pour l'instant, yeroth–erp–3.0 ne fonctionne qu'avec **MySQL**.

La section C.2 dans l'annexe C (L'Environnement Logiciel) contient plus d'information aux sujets des bases de données dans yeroth–erp–3.0.

5) Cliquer sur le bouton "**Valider**" pour valider votre travail.

11.10.3 Lister les localisations

La figure 11.32 illustre l'interface graphique de yeroth−erp−3.0 qui liste les localisations.

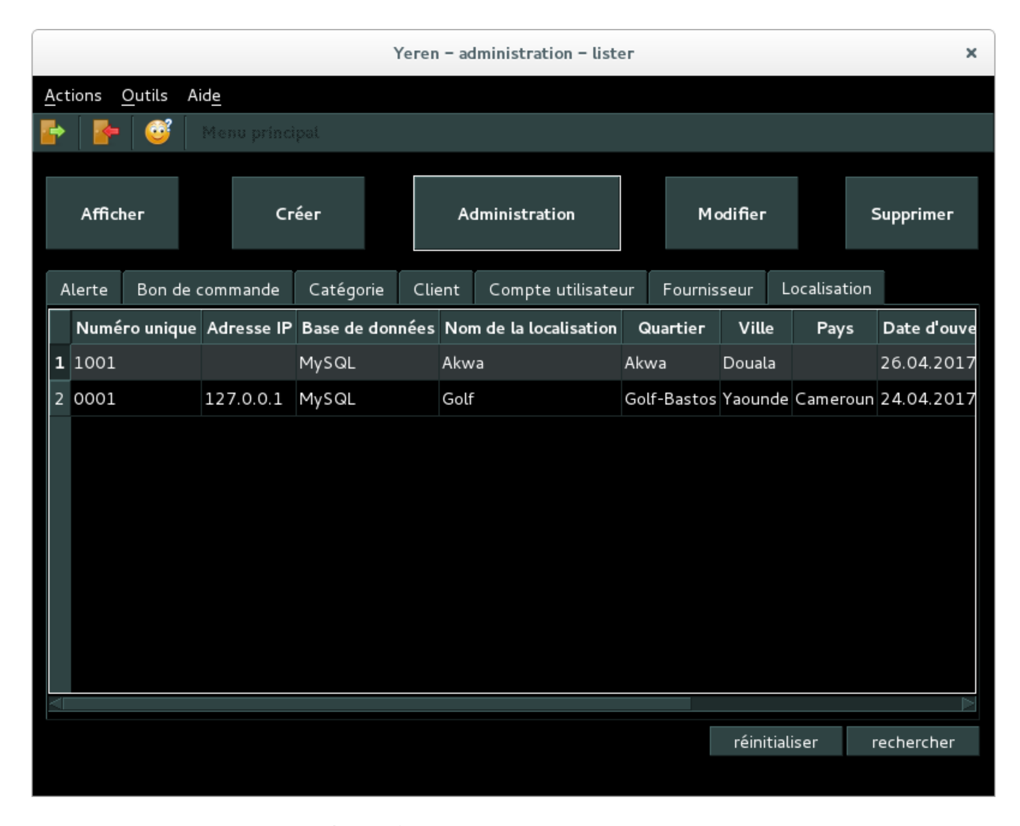


Figure 11.32 – L'interface graphique pour créer une localisation.

✓ ***Procédure pour lister les localisations***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**une localisation**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre qui liste localisations (figure 11.32).

11.10.4 Modifier les détails d'une localisation

La figure 11.33 illustre l'interface graphique de yeroth–erp–3.0 pour modifier les détails d'une localisation.

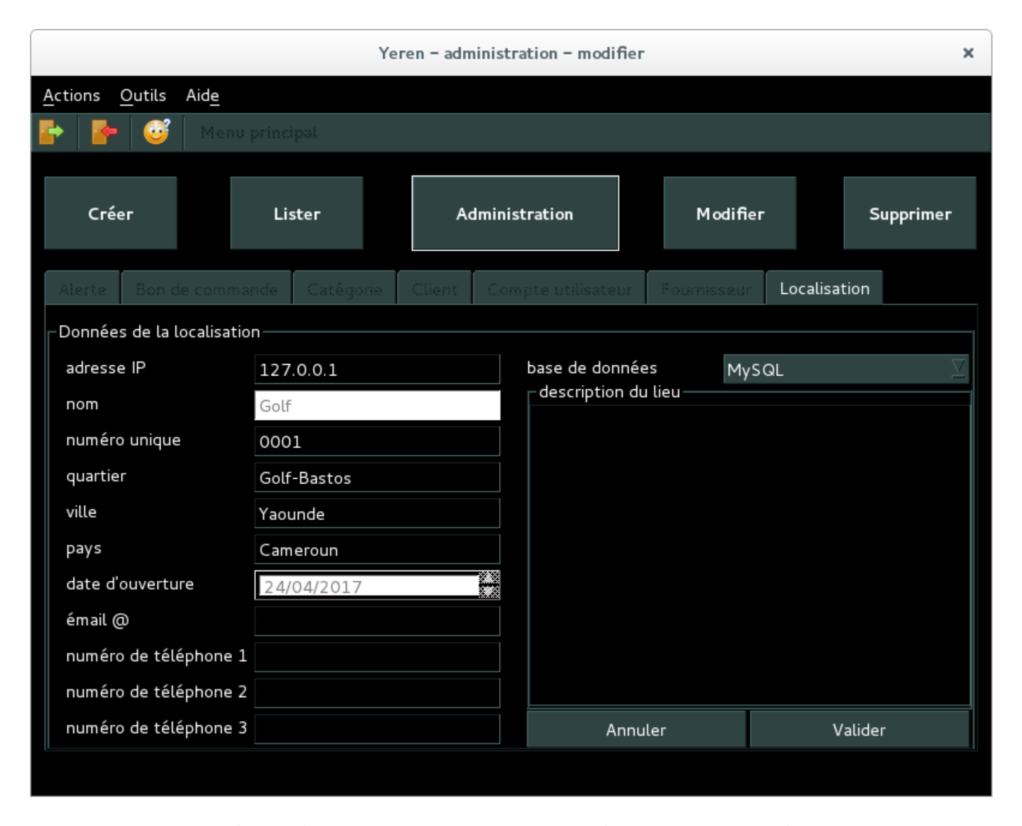


Figure 11.33 – L'interface graphique pour modifier les détails d'une localisation.

✓ ***Procédure pour modifier les détails d'une localisation***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**lister**' dans le '*combo box opérations*'.
3) Choisir '**une localisation**' dans le '*combo box objets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.32.
4) Sélectionner la localisation dont vous souhaitez modifier les détails dans la liste des localisations affichée.
5) Cliquer sur le bouton "**Modifier**". Les détails de la localisation sont affichés dans une nouvelle fenêtre.
6) Faites les modifications que vous souhaitez.
7) Cliquer sur le bouton "**valider**" pour valider les modifications faites.

11.10.5 Supprimer une localisation

La figure 11.34 illustre l'interface graphique de yeroth–erp–3.0 pour supprimer une localisation.

✓ ***Procédure pour supprimer une localisation***

1) À partir de l'interface graphique de l'accueil de l'administration (voir figure 11.1), on clique sur l'onglet intitulé **opérations**.
2) Choisir '**supprimer**' dans le '*combo box opérations*'.
3) Choisir '**une localisation**' dans le '*combo box sujets*'. Vous êtes automatiquement conduit à la fenêtre illustrée par la figure 11.32.
4) Sélectionner la localisation à supprimer dans la liste des localisations affichée.
5) Cliquer sur le bouton "**Supprimer**". La question est ensuite posée si vous confirmer votre choix. Cliquer sur le "**OK**" pour confirmer votre choix.

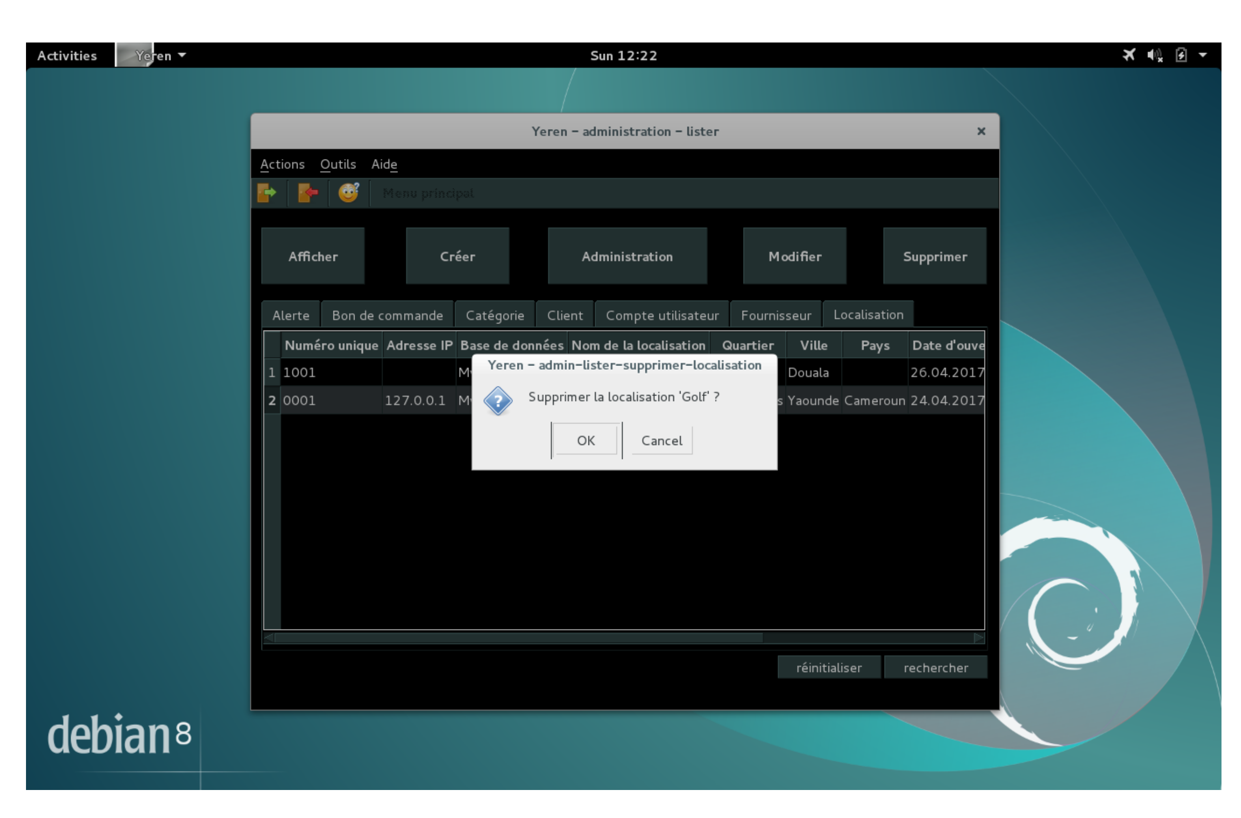


Figure 11.34 – L'interface graphique pour supprimer une localisation.

Chapitre 12

Les Problèmes Connues et leurs Solutions

Ce chapitre décrit quelques problèmes qui peuvent survenir lors de l'utilisation de yeroth−erp−3.0 *et comment les résoudre.*

12.1 Démarrage du Système d'Alerte

Lorsque l'on démarre le système d'alerte, le boutton **ON** n'est pas aussitôt affiché.

Il est nécessaire de quitter la fenêtre et d'y revenir pour voir le boutton **ON** affiché.

Chapitre 13

Conclusion

Nous avons décrit yeroth−erp−3.0 dans ce document. yeroth−erp−3.0 est un logiciel de gestion des stocks et de gestion des ventes.

yeroth−erp−3.0 cible toutes les entreprises qui ont besoin d'une solution de gestion des stocks et de gestion des ventes efficaces et facile à utiliser.

yeroth−erp−3.0 est concis, efficace, et solutionne les problèmes de gestion des stocks et de gestion des ventes d'une façcon pragmatique.

L'apprentissage de yeroth−erp−3.0 nécessite selon nos investigations environ 2 jours de formation de 4 heures chacun.

Merci pour votre confiance et vos appréciations.

"PROF. DR. XAVIER NOUNDOU".

Annexe A

Les Raccourcis

Ce chapitre présente les raccourcis usuels de yeroth–erp–3.0, *sous forme de tableau, pour accéder à certaines fonctions.*

Raccourcis	Résumé de la fonction
`Ctrl + H`	Appelle l'aide, résumée pour l'utilisateur
`Ctrl + P`	Imprimer au format PDF
`Ctrl + F`	Lancer l'interface de recherche
`Ctrl + I`	Réinitialiser la recherche
`Ctrl + W`	Observer avec quel utilisateur je me suis enregistré (Qui suis je ?)

Table A.1 – Tableau des raccourcis

Annexe B

L'environnement Hardware

Ce chapitre discute des composantes matérielles nécessaires pour le bon fonctionnement de yeroth−erp−3.0*.*

B.1 La mémoire RAM

yeroth−erp−3.0 peut être utilisé sur un ordinateur qui possède un minimum de 512 Mo de mémoire RAM (mémoire vive) sans aucun problème.

Cependant, nous recommandons l'utilisation d'ordinateurs ayant un minimum de 2 Go de mémoire RAM.

B.2 Le disque dur

L'utilisateur de yeroth−erp−3.0 doit se prémunir d'un disque dur en fonction de la quantité de données qu'il prévoit stocker dans la base de données.

yeroth−erp−3.0 n'a pas de requis quant à la capacité des disques durs du client. C'est le système d'exploitation et le système de gestion de base de données (SGBD) utilisé qui conditionnent la capacité des disques durs à utiliser.

B.3 Le Matériel Informatique Recommandé

YEROTH r&d | YEROTH–PGI–3.0 matériel recommandé

YEROTH–PGI–3.0 Matériel Informatique Recommandé Pour Le Point De Vente

1 Le Lecteur de Code barres

Nous recommandons l'utilisation du lecteur de code barres **" USB Plug and Play Automatic Barcode Scanner "** (approx. 17 €).



Le lecteur de code barres

2 L'imprimante de Tickets PDV (thermique)



TOUTES LES IMPRIMANTES DE TICKETS EPSON.

Nous recommandons l'utilisation de l'imprimante de tickets PDV (thermique) **" Epson TM T20ii Point of Sale Thermal Printer "** (approx. 100 €).



L'imprimante de tickets PDV (thermique)

3 Le Tiroir de Caisse

Nous recommandons l'utilisation du tiroir de caisse **" HP QT457AT "** (approx. 90 €).



Le tiroir de caisse

4 Le Moniteur

Nous recommandons l'utilisation du moniteur d'ordinateur **" ASUS 15.6" LCD Monitor (VT168H) "** (approx. 155 €).



L'écran tactile

5 L'ordinateur

Nous recommandons l'utilisation de l'ordinateur **" Lenovo Thinkcentre M720 Small Form Factor (SFF) "** (approx. 450 €).



L'ordinateur

6 TERMINAL À PLUSIEURS UTILISATEURS

Nous recommandons l'utilisation du terminal à plusieurs utilisateurs (3) **NC–300** de "http://www.savingology.com" (approx. 112 €).



Terminal à Plusieurs Utilisateurs

✓ ***PARTICULARITÉS DANS CERTAINS PAYS ET/OU RÉGIONS DU MONDE*** L'USAGE DES IMPRIMANTES DE TICKETS PDV, REQUIERT L'ACHAT ET L'UTILISATION D'1 APPAREIL POUR ENREGISTRER ET CERTIFIER TOUTES LES TRANSACTIONS FINANCIÈRES ENTRE L'IMPRIMANTE PDV ET LE PGI YEROTH–PGI–3.0 (exemple : RFA, CANADA, etc.).

Auteur: "PROF. DR. XAVIER NOUNDOU" Version du – 10 janvier 2024 –

Annexe C

L’environnement Logiciel

Ce chapitre discute des logiciels requis (ou recommendés) pour le bon fonctionnement de yeroth−erp−3.0.

C.1 Le système d’exploitation

yeroth−erp−3.0 fonctionne exclusivement avec **Debian Linux** comme système d’exploitation. yeroth−erp−3.0 a été développé avec **la version** 9.4.0 **(stretch)** de Debian Linux.

C.2 Le système de gestion des bases de données

yeroth−erp−3.0 utilise de façon standard **MySQL** comme système de gestion des bases de données.

Le progiciel de gestion intégré yeroth−erp−3.0 a ét’e développé et testé avec la version 5.5 de MySQL.

Annexe D

Les Configurations

Ce chapitre décrit les différentes configurations de yeroth–erp–3.0.

D.1 Les configurations de yeroth–erp–3.0

yeroth–erp–3.0 a les configurations suivantes :

1) la configuration **standalone**
2) la configuration **académique**
3) la configuration **client**
4) la configuration **serveur**.

D.2 La configuration *standalone* de yeroth–erp–3.0

La configuration **standalone** de yeroth–erp–3.0 comprend toutes les fonctionalités. Elle est utilisée pour une boutique ou pour un dépôt qui a besoin d'une seule installation de yeroth–erp–3.0.

D.3 La configuration *client* de yeroth–erp–3.0

La configuration *client* fonctionne uniquement en combinaison avec la configuration *serveur* de yeroth–erp–3.0.

La configuration **client** de yeroth–erp–3.0 ne donne pas accès à la section **Administration** du logiciel. Aussi, elle ne permet pas l'accès aux stocks des autres localisations.

D.4 La configuration *serveur* de yeroth–erp–3.0

La configuration **serveur** fonctionne uniquement en combinaison avec la configuration **client** de yeroth–erp–3.0.

La configuration **serveur** de yeroth–erp–3.0 comprend toutes les fonctionalités et est utilisée dans le cadre d'une installation avec plusieurs **clients**.

Lorsqu'une configuration dans la section **paramètres de l'application** est modifiée, le serveur envoi un signal à chacun des **clients** afin qu'ils actualisent leurs paramètres de configuration, en les récupérant de la base de données.

Version of – November 7, 2024 –

REPORT ON WORK ABOUT YERITH–ERP–9.0 (YEAR 2023)

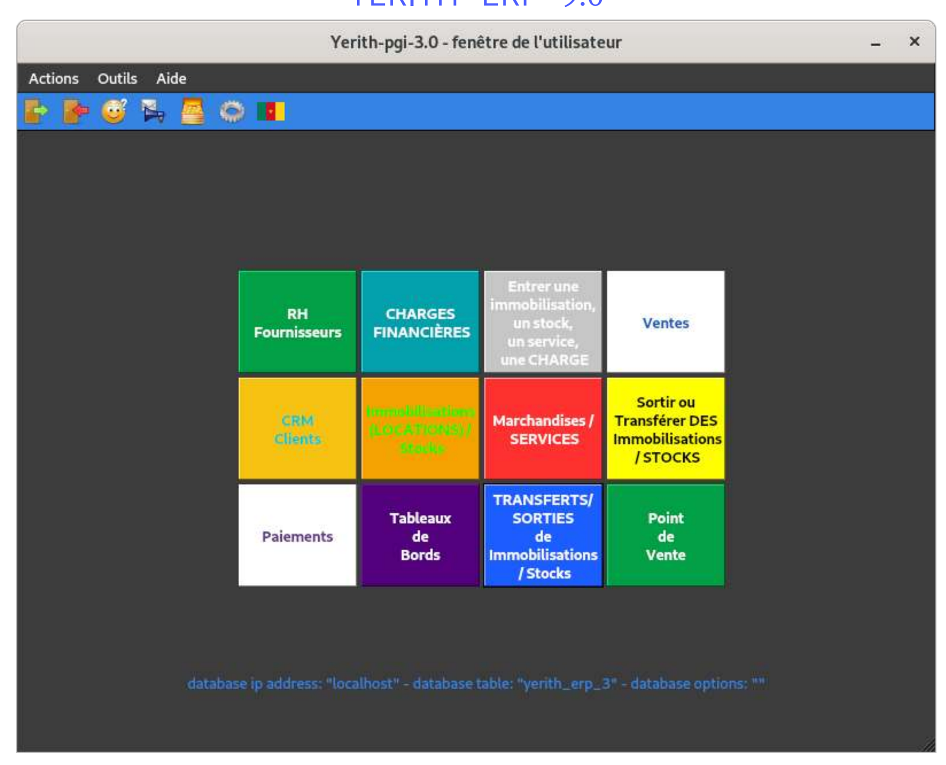
"Xavier Noundou (Pr. Prof. Dr.–Ing.)"



barrière-Simbock

Yaoundé VI, Cameroon
Phone: (+237) 6 52 39 69 50
Email: YERITH.xavier@gmail.com

YERITH–ERP–9.0



Abstract

This annual report summarizes efforts of Computer Systems R&D Start-up YERITH$_{r\&d}$on its Enterprise Resource Planing (ERP) software product YERITH−ERP−9.0 in this year 2023.

YERITH−ERP−9.0 was invented in October 2015 in Yaoundé, Center region of Cameroon: it is an integrated Enterprise Resource Planing software for small, medium, and large entrepreneurial organizations. An entrepreneurial organization is here recognized as either a non governmental organization (N.G.O), a governmental agency, or a commercial society.

"***Financial expense management*** " and "***Human resource management*** " software modules sections were improved and incorporated respectively this year. Also, several improvements on financial accounting reporting were made.

A new software product: YERITH_QVGE (https://zenodo.org/records/10070127) , was created as YERITH−ERP−9.0's runtime monitoring analysis verification module. YERITH_QVGE can run as a stand−alone product, or as a system service for YERITH−ERP−9.0 ***on the Debian Linux operating system platform***.

YERITH_QVGE (https://github.com/yerithd/yri-db-runtime-verif) is a state-of-the-art ***program analysis generator*** that compares with bleeding edge technology software products used at The NASA (https://www.nasa.gov), such as "LogScope" [Hav22] and "DejaVu " [HPU18] by Dr. KLAUS HAVELUND (https://www.havelund.com).

Other comparable bleeding edge technology libraries and / or tools include "libfsmtest " (https://bitbucket.org/JanPeleska/libfsmtest/src/master) by Prof. Dr. rer. nat. habil. JAN PELESKA (https://www.informatik.uni-bremen.de/agbs/jp); "EventRaceCommander" [AMK+17] and "Purify" [HJ91] at IBM (https://research.ibm.com/labs/watson); and "Valkyrie / Valgrind" (https://valgrind.org).

YERITH_QVGE's (https://zenodo.org/records/10070127) drawing tool is priced at 2, 500 EUROS.

PEOPLE LISTED HERE, in alphabetical order, have financed and / or supported YERITH$_{r\&d}$in the last 5 years:

1. Ing. Célestin Puene, MSc
2. Christian Ngueyong, AS degree in Computer Science
3. Collins Akosa, PhD (KAUST, 2016)
4. Dr. Emmanuel Rodrigue Wankap
5. Henri Bertrand Ngatchou (Ets Best Car Care & Services)
6. Dipl.−Inf. (FH) Jean−Daniel Tujilo
7. Joachim Nsofini , PhD (Waterloo, 2017)
8. Dr. PETER AKUME ("Pharmacy FIANGO LYCÉE DE MAKÈPÈ").

I have been hijacked by state hospital LAQUINTINIE in February 2021; AND, in February 2023, by LAURE MENGUENE mvindi of JAMOT HOSPITAL. ALL THESE ATROCITIES AGAINST MY humble self and person, were commanded personally by PAUL BIYA; not as President of the Republic of Cameroon, but as PRESIDENT OF C.P.D.M (R.D.P.C) political ruling party.

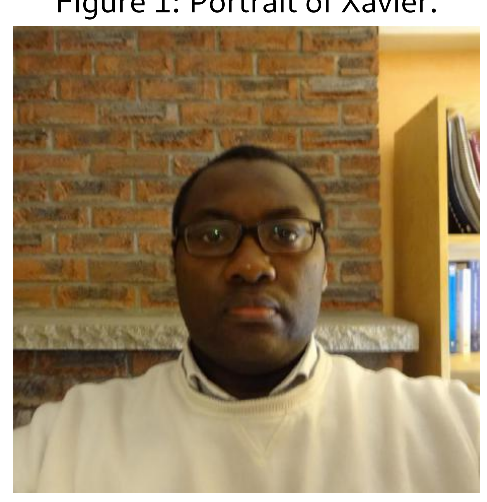
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WHO Is "Xavier Noundou (Pr. Prof. Dr.–Ing.)"

Figure 1: Portrait of Xavier.



"Xavier Noundou (Pr. Prof. Dr.–Ing.)" is a CHRISTIAN BY FAITH, Cameroonian, born on September 16 1983 in DOUALA (LITTORAL region, CAMEROON). Xavier has a *"Diplom–Informatiker (Dipl.–Inf.)"* qualification from the **University of Bremen, Bremen, Bremen, GERMANY** (May 25, 2007). Xavier N. Noundou IS A *"**Dr.–Ing. : Doctor of Engineering (Ph.D. equivalent – Computer Software Verification & Analysis)**"* from **THE UNIVERSITY OF WATERLOO (ON, CANADA); DECEMBER** 20**,** 2011 **!**

"Xavier Noundou (Pr. Prof. Dr.–Ing.)" now, as CEO of YERITH$_{r\&d}$, consults entrepreneurial organizations for their business informatics financial accounting needs.

"Xavier Noundou (Pr. Prof. Dr.–Ing.)" , also implements and configures program analysis and verification needs for his customers.

Xavier has worked together with **Prof. Dr. rer. nat. habil. Jan Peleska**, at AGBS–University of Bremen, GERMANY; and 2 years later at WatForm–University of Waterloo, ON, Canada, with **DR PATRICK LAM**.

Xavier could successfully work with **Dr. Frank Tip** at The University of Waterloo (Waterloo, ON, Canada) on his first JAVA dynamic program analysis.

Xavier also had the great opportunity through **Dr. Marcel Mitran** and **Dr. Patrick Lam**; to work as a graduate intern in Markham (Toronto, ON, CANADA) at IBM TORONTO SOFTWARE LABORATORY; in the JAVA–J9 Just–In–Time Compiler Optimization Team, together with **Patrick Doyle, MASc (University Of Toronto, ON, Canada)**, and **Vijay Sundaresan, MSc (McGill University, QC, Canada)**.

Xavier has following academic and professional engineering research contributions:

1) 'Statistical test case generation for reactive systems' at RTT-MBT at VERIFIED SYSTEMS INTERNATIONAL GmbH (https://www.verified.de).

2) 'Context-Sensitive Staged Static Taint Analysis For C using LLVM'
   1. source code in C++:
      https://github.com/sazzad114/saint
   2. technical report article:
      https://zenodo.org/record/8051293 .

3) 'YERITH-ERP-3.0':
   1. source code in C++:
      a. YERITH−ERP−3.0:
         https://github.com/yerithd/yerith-erp-9-0
      b. YERITH−ERP−3.0 SYSTEM DAEMON:
         https://github.com/yerithd/yerith-erp-9-0-system-daemon
   2. technical report article (ongoing publication):
      https://zenodo.org/record/8052724 .

4) 'YERITH_QVGE'
   1. source code in C++:
      - https://github.com/yerithd/yr_sd_runtime_verif_lang
      - https://github.com/yerithd/yr_sd_runtime_verif
      - https://github.com/yerithd/yr-db-runtime-verif
      - https://github.com/yerithd/yr_sd_runtime_verif_UNIT_TESTS
   2. technical report article (ongoing publication):
      https://zenodo.org/records/10070127 .

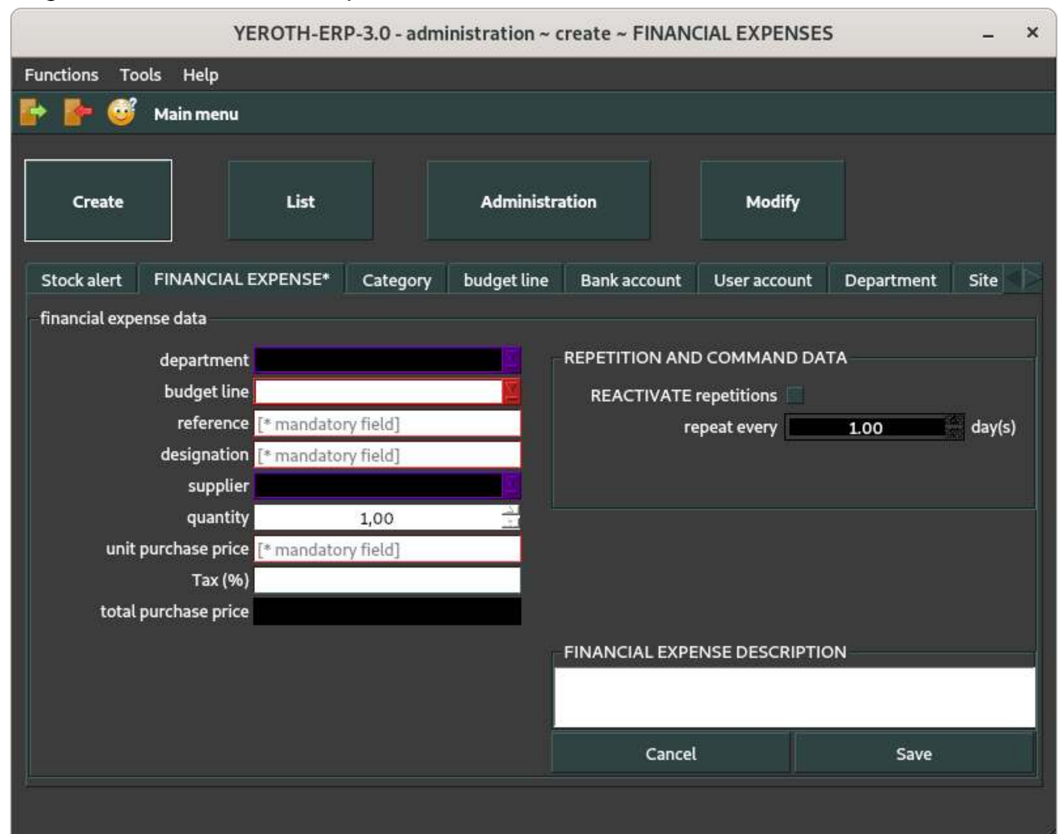
Chapter 1

INTRODUCTION

This chapter explains what is the Enterprise Resource Planing (ERP) software YERITH–ERP–9.0; what kind of entrepreneurial organization could make use of it; And what will be the development perspectives for the coming years.

1.1 YERITH–ERP–9.0: An Efficient And Simple To Use Enterprise Resource Planing Software

Figure 1.1: Financial Expense Creation Window in Administration Section



1.1.1 Motivation

YERITH−ERP−9.0 [Nou23f, Nou23b, Nou23c] is an **Enterprise Resource Planing (ERP)** software system that aims 'effectiveness' and 'simplicity', compared to other high ranked ERP software systems (e.g.: SAP Business One, 'Sage Gescom i7', 'Odoo Erp', etc.).

YERITH−ERP−9.0 is implemented by me with THE USER INTERFACE LIBRARY QT [Ltd22]. Our goal when designing and implementing this ERP software system is more folds:

1) Render enterprise resource planing (erp) software system usage and manipulation as easy as reading a leisure or recreational book so to reduce user strain size.

2) Contribute to reduce poverty by improving software system technology for enterprise resource planing (erp):

    1. Best and accurate technology SHALL REDUCE management effort and produce more reliable and cost−minimized business financial accounting information that enables to anticipate and reduce time of decision making.

    2. Best and accurate technology reduces time execution of commercial business transactions, and thus, associated costs.

    3. So entrepreneurial commercial organizations could reduce a selling price without reducing its profit.

YERITH$_{r\&d}$would be grateful for governments that are not able to provide sufficient funds for commercial versions of YERITH−ERP−9.0, to ask me for free of charge commercial versions.

1.1.2 Uses Of YERITH−ERP−9.0

An ERP (Enterprise Resource Planing) software is a program, and / or software system that enables its users to:

1. **Classify, Save, Search, Sort**, inventory stock article, commercial services, and assets in an electronic directorate;

2. **Sell – Check-out – Transfer – ETC.**, inventory stock article, commercial services, and assets from their electronic directorate;

3. **Create alert based on timing periods, inventory stock articles, commercial services, and / or assets quantities, etc**.

4. Save, Search, etc., **Suppliers, Employees, Clients (or Customers), Members, etc.**.

5. In summary, an ERP enables an individual, a group of people (including families), an commercial entrepreneurial organization, etc.: to overview its entrepreneurial management from a COMMERCIAL AND FINANCE viewpoint with the help of informatics (and / or computers).

6. YERITH−ERP−9.0 handles financial budget lines !

1.1.3 YERITH–ERP–9.0 Current Software Metrics

Table 1.1: YERITH–ERP–9.0 RELEVANT SOFTWARE SYSTEM METRICS

Software Metric	Value
User Interface (windows, dialog) number	60
MariaDB SQL table number	40
MariaDB SQL table column number	320
Latex template for PDF printing	80
Source lines of code (SLOC)	350,000

1.1.4 YERITH–ERP–9.0 Current Software System Components

1. ERP software itself: YERITH–ERP–9.0.

   FOSS code location https://github.com/yerithd/yerith-erp-9-0

2. Component 1: *yerith-erp-9-0-configurations-data*: Configuration data for YERITH–ERP–9.0.

   This software component entails:

   - A configuration property file "yerith-erp-9-0.properties" that contains MariaDB database connection parameters data.
   - A configuration property file "yerith-erp-9-0-system-local-configuration-ENGLISH.properties" that contains local computer device and storage configuration parameters data.
   - A folder "yerith-erp-9-0-sql-backup-restore" where YERITH–ERP–9.0 database backups will be stored.

3. Component 2: YRI_QVGE: Runtime Monitoring Analysis Verification System.

   FOSS code location 1 https://github.com/yerithd/yr_sd_runtime_verif_lang
   FOSS code location 2 https://github.com/yerithd/yr_sd_runtime_verif
   FOSS code location 3 https://github.com/yerithd/yr-db-runtime-verif
   FOSS code location 4 https://github.com/yerithd/yr_sd_runtime_verif_UNIT_TESTS

4. Component 3:*yerith-erp-9-0-system-daemon*: Service daemon for alerts over inventory stocks, assets, and financial expenses.

   FOSS code location https://github.com/yerithd/yerith-erp-9-0-system-daemon

1.2 YERITH−ERP−9.0 Activity Sector Usage Report

Table 1.2: Societies used for Testing and Validation of YERITH−ERP−9.0 (2015−2023) .

INDUSTRIAL SECTOR	LANGUAGES	Companies (network: # computers)	# users (accessories: quantity)	Integration difficulty (increasing 1 − 5)
1. GROCERY SHOP	FRENCH	POISSONNERIE PLUS	3	5
2. GROCERY SHOP	ENGLISH	NGO−PHARMACY FIANGO LYCÉE DE MAKÊPÈ (√: 2)	5	3
3. BOOKSHOP	FRENCH	BILINGUAL entente bookshop	2	5
4. HEALTHCARE	ENGLISH	PHARMACY FIANGO LYCÉE DE MAKÊPÈ (√: 4)	5 (√: 1)	5
5. HEALTHCARE	FRENCH	P.C.T.B s.a.r.l (√: 5)	20	5
6. HEALTHCARE	FRENCH	HAPPINESS POTENTIAL s.a.r.l	3	3
7. LOGISTICS	FRENCH, & ENGLISH	BONTÉE s.a.r.l (√: 4)	6 (√: 1)	3
8. HARDWARE SHOP	FRENCH	HARDWARE SHOP N.K	5	2
9. HARDWARE SHOP	FRENCH	HARDWARE SHOP la confiance	6	5
# Sectors	# LANGUAGES	# Companies	# Users | # accessories	CUMULATED DIFFICULTY (MEAN)
5	2	9	55 | 2	4

Figure 1.2: 2 pie charts on customers till year 2023.

Figure 1.3: Represented customer sector till 2023, in percentages (%).

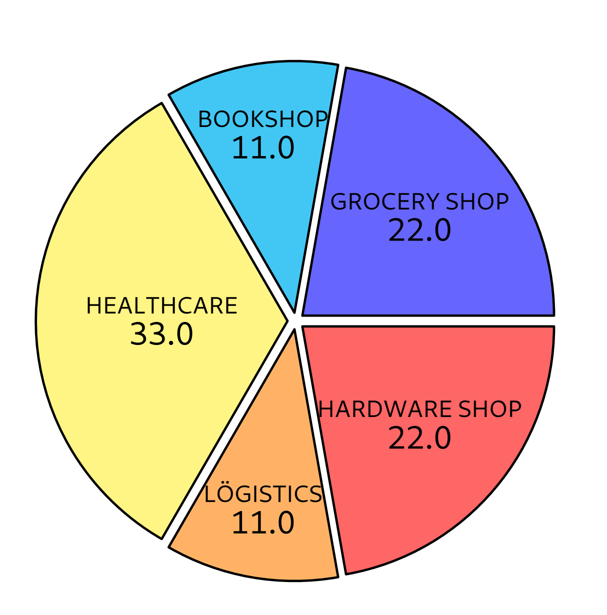
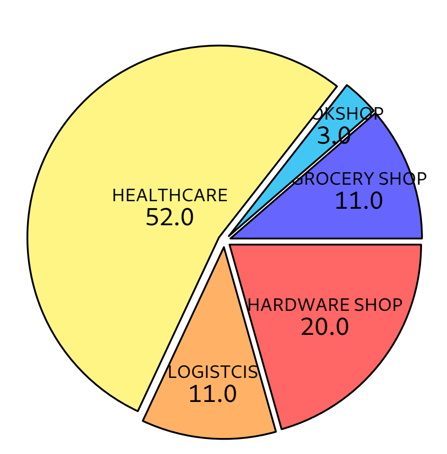


Figure 1.4: Percentage (%) of users per customer sector.



YERITH−ERP−9.0 is aimed at being simpler in usage and manipulation than older top ranked ERP software systems (e.g.: SAP Business One, 'Sage Gescom i7', 'Odoo Erp', etc.). A detailed comparison is to find in paper [Nou23b].

YERITH−ERP−9.0 could be used by any entrepreneurial organization, WHETHER governmental, OR NON GOVERNMENTAL (N.G.O) ! Applications are for instance:

1. engineering offices;
2. insurance companies;
3. JUSTICE ministries services in AFRICA;
4. etc.

1.3 Features To Develop for the coming Years

From this year onwards, YERITH−ERP−9.0 versions will not be Free and Open Source Software (FOSS).

YERITH r&d would be grateful for governments that are not able to provide sufficient funds for commercial versions of YERITH−ERP−9.0, to ask me for free of charge commercial versions.

ESPECIALLY CAMEROON GOVERNMENT that is trying to implement a human resource module for SAP Waldorf since the year 1994: SIGIPES-2
almost 28 years at it!

1. Execute Information flow policy control by usage of `YRI_QVGE` to Reduce Over Usage of government financial budget lines .

2. PROVIDE A SAMPLE template, for francophone central Africa states, ***financial accounting plan o.h.a.d.a***.

   This financial accounting plan will enable registered companies and societies, to use YERITH−ERP−9.0 for official tax income declaration.

3. Create a new "Expert Comptable (Chartered Accountant)" application profile user type.

4. Create a module that enables users of YERITH−ERP−9.0 to provide web applications on the World Wide Web (WWW) by just pressing a button.

   `Qt WebEngine Widgets` C^{++} `Classes` seem to be what to use to provide this feature to YERITH−ERP−9.0 users.

5. Improve database connection information security of YERITH−ERP−9.0 because of YR-DB-RUNTIME-VERIF fail state (error accepting state) recovery SQL mechanism feature.

   I.e.: security of information and execution must guarantee that no intruders malware program, or code snippet, executes a malware SQL query statement.

6. Improve fail state (error accepting state) recovery SQL mechanism of YERITH−ERP−9.0 in non SQL query statements; i.e.; create another efficient `Qt-Dbus` recovery mechanism, in form of a Remote Procedure Call (RPC). Drawback here is the cumbersome configuration mechanism of `Qt-Dbus` interface for RPC.

7. Implement offline dynamic analysis module within YR-DB-RUNTIME-VERIF: I.e., produce analysis results based on program trace (event log).

8. Design and implement a mechanism to template solutions to class of use cases monitoring analysis verification within YR-DB-RUNTIME-VERIF.

   I.e: define a mechanism to generate runtime monitors for several database tables column SQL query temporal safety property just using one template model.

9. Design and create a Computer Device integrated with YERITH−ERP−9.0, so to improve information security and robustness of the application.

1.4 YERITH–ERP–9.0 Literature

This section summarizes all documents (26 in total at time of writing) created for explaining concepts, ideas, and technologies implemented to create YERITH–ERP–9.0.

1.4.1 Required Marketing Knowledge

In French Language

1) **BROCHURE DE GESTION COMMERCIALE** (https://archive.org/download/yerith-erp-9-0-brochure-gestion-commerciale-notions/yerith-erp-9-0-brochure-gestion-commerciale-notions.pdf),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **OCTOBRE** 2021.

1.4.2 Business Informatics Management Knowledge

In English Language

1. **YERITH–ERP–9.0 SOFTWARE SYSTEM PRODUCT SHEET** (https://archive.org/download/yerith-erp-9-0-product-sheet/yerith-erp-9-0-product-sheet.pdf),
TECHNICAL REPORT ARTICLE, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROON, **MARCH** 2021.

2. **ADVANTAGES OF YERITH–ERP–9.0 COMPARED TO OTHER TOP ERP SOFTWARE-SYSTEMS** (https://archive.org/download/yerith-erp-document-comparison/yerith-erp-document-comparison.pdf),
TECHNICAL REPORT ARTICLE, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROON, **MARCH** 2021.

3. **INFORMATION BROCHURE OF ERP SOFTWARE-SYSTEM YERITH–ERP–9.0** (https://archive.org/download/yerith-erp-9-0-brochure-english/yerith-erp-9-0-brochure-english.pdf),
TECHNICAL REPORT ARTICLE, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROON, **MARCH** 2021.

4. **INSTALLATION GUIDE FOR ERP SOFTWARE–SYSTEM YERITH–ERP–9.0** (https://zenodo.org/record/8060182/),
TECHNICAL REPORT ARTICLE, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROON, **MARCH** 2021.

In French Language

1) **GUIDE DE L'UTILISATEUR 'MANAGER', PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0** (https://zenodo.org/record/8058259/),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **JUIN** 2018.

2) **YERITH–ERP–PGI–3.0: ESSAI DE PRODUCTIVITÉ ENTREPRENEURIALE** (https://zenodo.org/records/10071437),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **MARS** 2021.

3) **GUIDE PRATIQUE DU LOGICIEL DE GESTION COMMERCIALE ET FINANCIÈRE YERITH–PGI–9.0** (https://archive.org/download/yerith-erp-9-0-software-system-uses/yerith-erp-9-0-software-system-uses.pdf),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **MARS** 2021.

4) **DOCUMENT COMBINANT LES PRÉSENTATIONS DE YERITH–PGI–9.0** (https://archive.org/download/yerith-erp-9-0-info-francais_20230615/yerith-erp-9-0-info-francais.pdf),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **MARS** 2021.

5) **FICHE DE DONNÉES DU PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0** (https://archive.org/download/yerith-erp-9-0-fiche-de-donnees/yerith-erp-9-0-fiche-de-donnees.pdf),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **MARS** 2021.

6) **BROCHURE D'INFORMATION DU PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0** (https://archive.org/download/yerith-erp-9-0-brochure/yerith-erp-9-0-brochure.pdf),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **MARS** 2021.

7) **AVANTAGES DE YERITH–PGI–9.0 COMPARATIVEMENT À SAGE GESCOM I7, ET À SAP BUSINESS ONE** (https://archive.org/download/yerith-erp-9-0-document-comparaisons/yerith-erp-9-0-document-comparaisons.pdf),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **MARS** 2021.

8) **AVANTAGES D'UTILISATION DE L'INFORMATIQUE POUR LA GESTION DE STOCKS** (https://archive.org/download/yerith-erp-9-0-document-comparaisons-1/yerith-erp-9-0-document-comparaisons-1.pdf),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **AVRIL** 2021.

9) **BRÈVE PRÉSENTATION DU PROGICIEL DE GESTION INTÉGRÉ (PGI) YERITH–PGI–3.0** (https://archive.org/download/yerith-presentation-pour-novices/yerith-presentation-pour-novices.pdf),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **SEPTEMBRE** 2022.

10) **GUIDE D'INSTALLATION POUR LE PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0** (https://zenodo.org/record/8060217),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **MARS** 2021.

11) **RAPPORT DE TRAVAUX SUR LE PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–3.0 (années 2015–2022)** (https://zenodo.org/record/8051568),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **OCTOBRE** 2022.

12) **YERITH–ERP–PGI–3.0 : Configuration MULTI–SITES (SUCCURSALES)** (https://archive.org/download/yerith-erp-multi-sites-base-de-donnees/YERITH-ERP_multi_sites_base_de_donnees.pdf),
Configuration MULTI–SITES (SUCCURSALES), YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROON, **mars** 2023.

1.4.3 Financial Accounting Knowledge

In French Language

1) **YERITH–ERP–PGI–3.0: NOTIONS DE COMPTABILITÉ ET DE SYSTÈME O.H.A.D.A** (https://zenodo.org/records/10071458),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **MARS** 2021.

1.4.4 Associated Computer Devices

In English Language

1. **YERITH–ERP–9.0 RECOMMENDED POINT–OF–SALE HARDWARE** (https://archive.org/download/yerith-erp-9-0-inventory-stock-recommended-hardware/yerith-erp-9-0-inventory-stock-recommended-hardware.pdf),
TECHNICAL REPORT ARTICLE, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROON, **MARCH** 2021.

In French Language

1) **MATÉRIEL INFORMATIQUE RECOMMANDÉ POUR LE POINT-DE-VENTE YERITH–PGI–9.0** (https://archive.org/download/yerith-erp-9-0-PDV-materiel-informatique-recommande/yerith-erp-9-0-PDV-materiel-informatique-recommande.pdf),
RAPPORT INTERNE DE TRAVAIL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **MARS** 2021.

1.4.5 Advanced Software Technology

In English Language

1. **YERITH–ERP–3.0 DOCTORAL COMPENDIUM** (https://zenodo.org/record/8052724) ,
DOCTORAL COMPENDIUM, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **MAY** 2022.

2. **Runtime Verification Of SQL Correctness Properties with YR-DB-RUNTIME-VERIF** (https://zenodo.org/records/10070127) ,
journal article in preparation, XAVIER NOUNDOU, CAMEROON, **August** 2023.

3. **Compendium of Documents About the Design and Testing System** YERITH_QVGE **(**YRI_QVGE**)** (https://zenodo.org/record/8387240) ,
RELEASE DOCUMENT COMMERCIAL TECHNICAL, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROON, **June** 2023.

4. **SOFTWARE SYSTEM ARCHITECTURE OF YERITH–ERP–3.0** (https://archive.org/download/yerith-erp-9-0-software-system-architecture_20221230/YERITH-ERP-9-0-SOFTWARE-SYSTEM-ARCHITECTURE.pdf),
TECHNICAL REPORT ARTICLE, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROON, **JULY** 2022.

5. **YR-DB-RUNTIME-VERIF: a framework for verifying SQL software correctness properties of gui software at runtime** (https://zenodo.org/record/8051303) ,
CONFERENCE article in submission, XAVIER NOUNDOU, CAMEROON, **February** 2023.

In French Language

1) **YERITH–ERP–3.0 DOCTORAT / PH.D. COMPENDIUM** (https://zenodo.org/record/8052724) ,
DOCTORAT COMPENDIUM, YERITH$_{r\&d}$, XAVIER NOUNDOU, CAMEROUN, **MAI** 2022.

Chapter 2

REPORT ON CUSTOMER EXPERIENCES AND FINDINGS

This chapter talks about customer experiences that were gained this year 2023. We could successfully have two customers this year.

2.1 Associated Computer Devices for YERITH–ERP–9.0

We have tried to search for very cheap devices because of the low income of small and medium companies here in Cameroon.

Table 2.1 illustrates sample computer devices and associated hardware for operating YERITH–ERP–9.0.

YERITH–ERP–9.0, in its current level of software development implementation, may not be appropriate at time for very large companies, with more than 100 employees: "Runtime monitoring", as well as "Financial expense management", and "Human resource management" modules software may solve this retard in the coming years.

2.1.1 Printing Devices And Counseling

We counsel our customer to use HP printing device solutions because drivers are available for Debian Linux operating system (LOGO:).

Also, it is advisable to print documents from their PDF format. Customers had for examples issues trying to perform correct printing from "LIBREOFFICE-WRITER", because of a complicated configuration system.

2.1.2 Computer Networking Devices

YERITH r&d now counsels new customers or clients, to use Multi–User Terminal Computer NC–300 (Figure 2.10) for saving on computer hardware costs.

Table 2.1: Devices and hardware useful for YERITH−ERP−9.0.



Figure 2.1: **Computer (MANDATORY)**



Figure 2.2: **Touchscreen Monitor (MANDATORY)**



Figure 2.3: Cash Drawer **(OPTIONAL)**



Figure 2.4: "Point of Sale Thermal Printer" **(OPTIONAL)**



Figure 2.5: Bar-code Scanner **(OPTIONAL)**



Figure 2.6: 1 Network Router **(MANDATORY)**



Figure 2.7: Numeric Tablet **(OPTIONAL)**



Figure 2.8: "2 in 1 Computer" **(OPTIONAL)**



Figure 2.9: Multi User Terminal Computer **(OPTIONAL)**

Figure 2.10: Hardware components of Multi−User Terminal Computer NC−300 (at `https://www.savingology.com`): images are taken from SavingOlogy.com.

Figure 2.11: NC−300 PCI card



Figure 2.12: NC−300 terminals



1 set devices of Multi−User Terminal Computer NC−300 enables up to 3 users to share a same desktop computer without the use of a computer network router (illustrated in Figure 2.6).

So their access to a LAN (Local Area Network) or Internet, occurs through the network interface of the shared desktop computer.

2.2 Software Ergonomics within YERITH−ERP−9.0

- Each text input field has an associated text inside the field for specifying what to search for, and where in database table column.

- Each icon or menu item is set not to be visible whenever it is not required or needed. For instance, whenever an inventory stock table is empty, icons and menu items for PDF printing (ICON:) and CSV export (ICON:) disappear from a user interface.

  MOTO: what is not needed is not visible. [1]

- Each window is accessible within 3 window GUI actions.

- Each function within a window GUI is accessible only in:
  - THROUGH A BUTTON just in front of a user on the Window.
  - THROUGH the context menu accessible using a click on the 2nd mice button.
  - THROUGH search for it in the window menu bar items.

- The settings configuration window panel has 2 types of settings:
  - computer local settings (LOCAL PARAMETERS)
  - remote server settings (SERVER PARAMETERS): only business information such as e.g.: VAT (Value Added Taxes), currency, etc.

2.3 Employee Training

We found that employee training is best done based on an employee skill set, and should be divided into 6 parts:

1. A visual demonstrating overview of YERITH−ERP−9.0
2. Questions based on knowledge and information acquired during visual demonstration of YERITH−ERP−9.0
3. Explanations about the key business concepts, business ideas, and software ergonomics implemented within YERITH−ERP−9.0
4. Executions of example use cases by employees
5. Questions and answers part conclusion

[1] ARLETTE sibeufo, Financial and Accounting Director at ”Bontée SARL in Akwa-Douala”

6. "***PLANING of general computing technology training for employees, based on observed missing knowledge during this training session*** ".

Chapter 3

NEW SOFTWARE FUNCTIONAL FEATURES

This chapter reports about all new ERP software functionalities introduced in this year 2023 in YERITH−ERP−9.0.

3.1 English to French And Vice-Versa Online Direct Translation

Users of YERITH−ERP−9.0 could now direct translate, online, without restarting application, translate YERITH−ERP−9.0 content from English into French, and Vice-Versa.

This occurs in the "Help" menu:

- in the main window
- in the administration section main window
- etc.

3.1.1 English Section

"Help" ⟶ TRADUIRE EN FRANÇAIS

3.1.2 French Section

"Aide" ⟶ TRANSLATE INTO ENGLISH

3.2 Financial Expense Management

Figure 3.1: 2 pictures of financial expense management module.

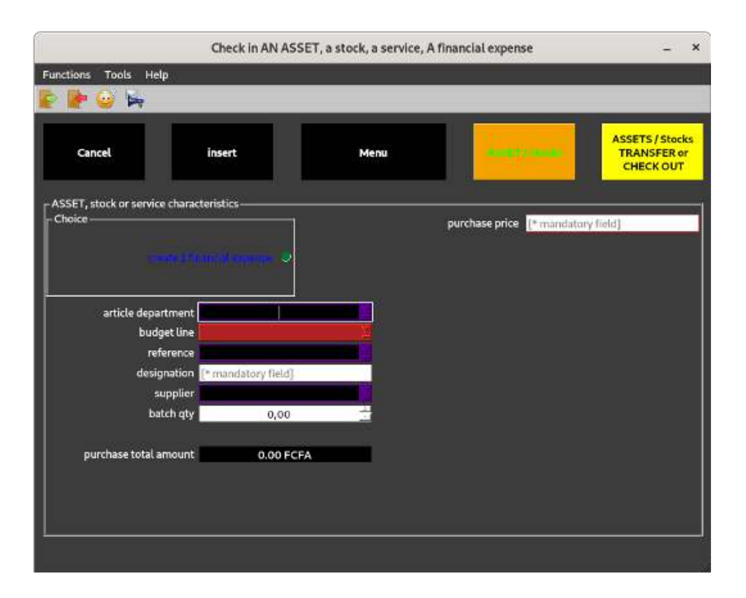


Figure 3.2: Create a financial expense window.

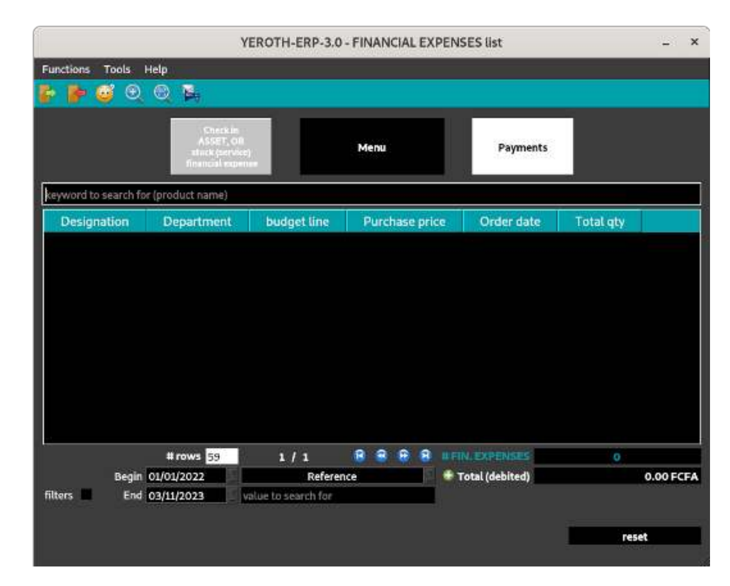


Figure 3.3: View financial expenses window.

Figure 3.1 reports 2 pictures of the "Financial expense management" module we implemented this year within YERITH−ERP−9.0.

The "Financial expense management" module enables following actions:

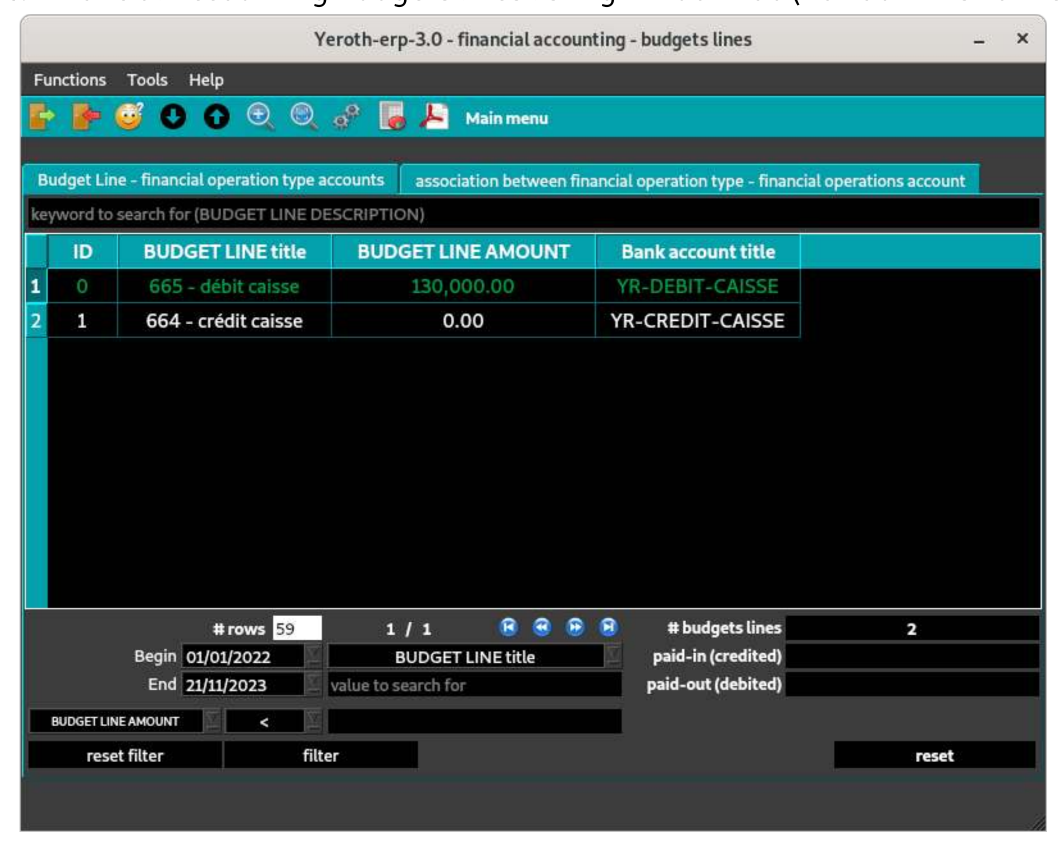
1. File of any expense of an entrepreneurial organization; may it be an inventory stock purchase; a company physical asset; a company logical financial asset.

   Each financial expense is reported within a financial budget line, that is linked to a physical bank account, registered only in YERITH−ERP−9.0.

2. Execute a financial expense ordering at a repetitive pre−determined time period frame.

3.2.1 Financial Accounting BUDGET LINES (COMMERCIAL ONLY)

Figure 3.4: Financial Accounting Budgets lines listing window tab (non administrative section).



Commercial Operation Type

A COMMERCIAL OPERATION TYPE IS: ...

Commercial Operation Type Account

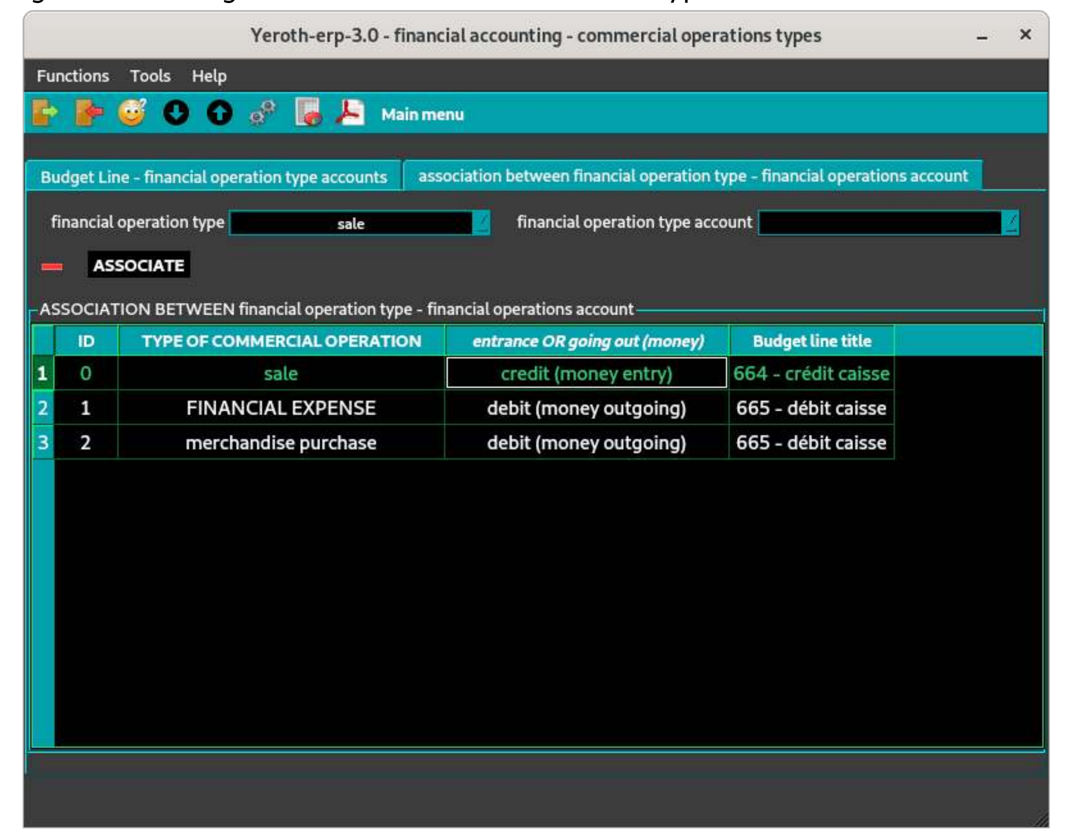
A COMMERCIAL OPERATION TYPE ACCOUNT IS: ...

Financial Budget Line

A FINANCIAL BUDGET LINE IS: ...

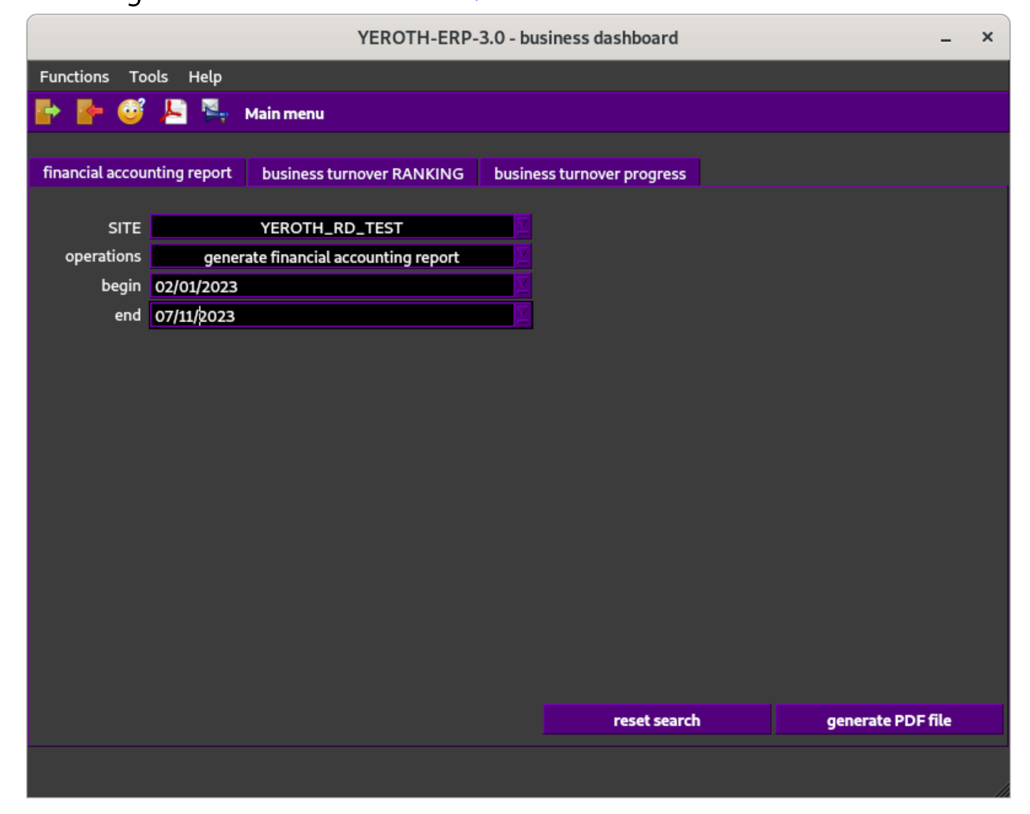
3.2.2 Financial Accounting Booking (COMMERCIAL ONLY)

Figure 3.5: Budgets lines – Financial Account Type Association window tab.



3.2.3 Financial Accounting Report Improvements (COMMERCIAL ONLY)

Figure 3.6: YERITH−ERP−9.0 Business Dashboard window.



Following new usability has been added to a financial accounting summary analytic report:

1. progress bars for Report PDF printing
2. reporting of budget lines balance sheet

3.3 Human Resource Management

Figure 3.7: 2 pictures of human resource management module.

Figure 3.8: Employee listing viewing window.

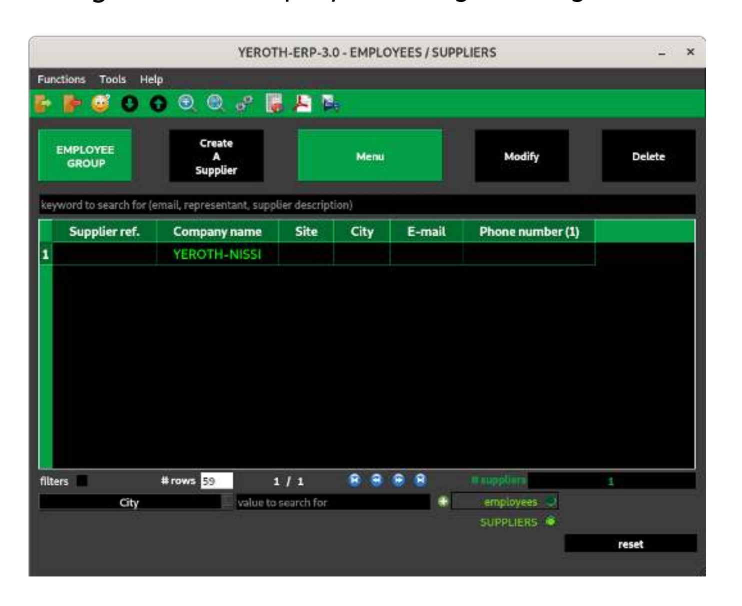


Figure 3.9: An employee belonging groups window.

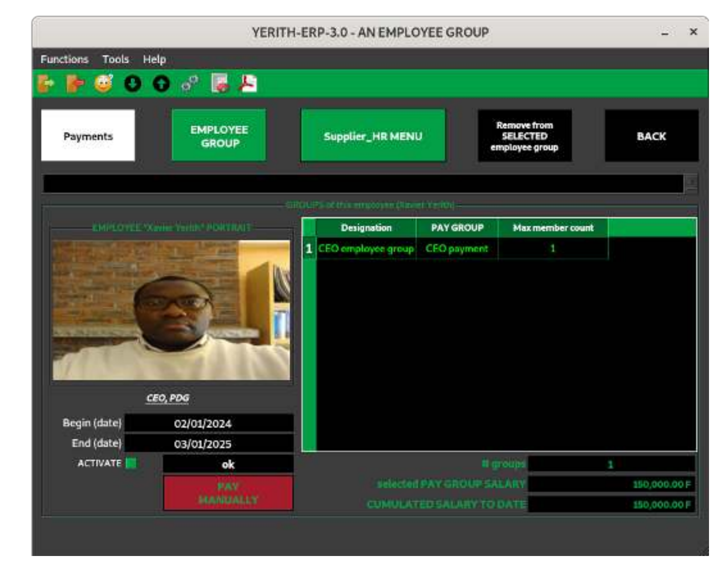


Figure 3.7 reports 2 pictures of the "Human resource management" module we implemented this year within YERITH–ERP–9.0.

YERITH–ERP–9.0 views an employee as a supplier of services. The "Human resource management" module enables following actions:

1. File an employee or a company supplier.
2. Create a pay group; each employee associated to this pay group earns a same amount of money.

   A pay group may be linked to a particular specific company location, Or may be a company wide unspecified location pay group.

   A tax percentage amount is associated with each pay group; it could have 0% value.
3. Create an employee group associated with a pay group.
4. View, Remove, and Assign an employee to an employee group; an employee may belong to several pay group, and earns accordingly a cumulated salary per pay group.
5. View, modify time period an employee shall belong to a pay group.

   At the end of a belonging time period, an employee is Not automatically removed from a pay group. But his salary from this pay group remains calculated to 0, in any currency defined in the administrative section "Application settings".
6. View pre–calculated monthly and annual, cumulated by pay group, salary of an employee in an employee details section window ("supplier details").

3.3.1 Payment Registration as a Financial Expense (Commercial version only)

All employees payments registrations, as a financial expense in module "PAYMENTS", are available only in YERITH−ERP−9.0 commercial version.

3.4 Runtime Verification Monitoring Analysis Module: YERITH_QVGE System

Figure 3.10: YERITH−ERP−9.0 monitoring interface window tab.

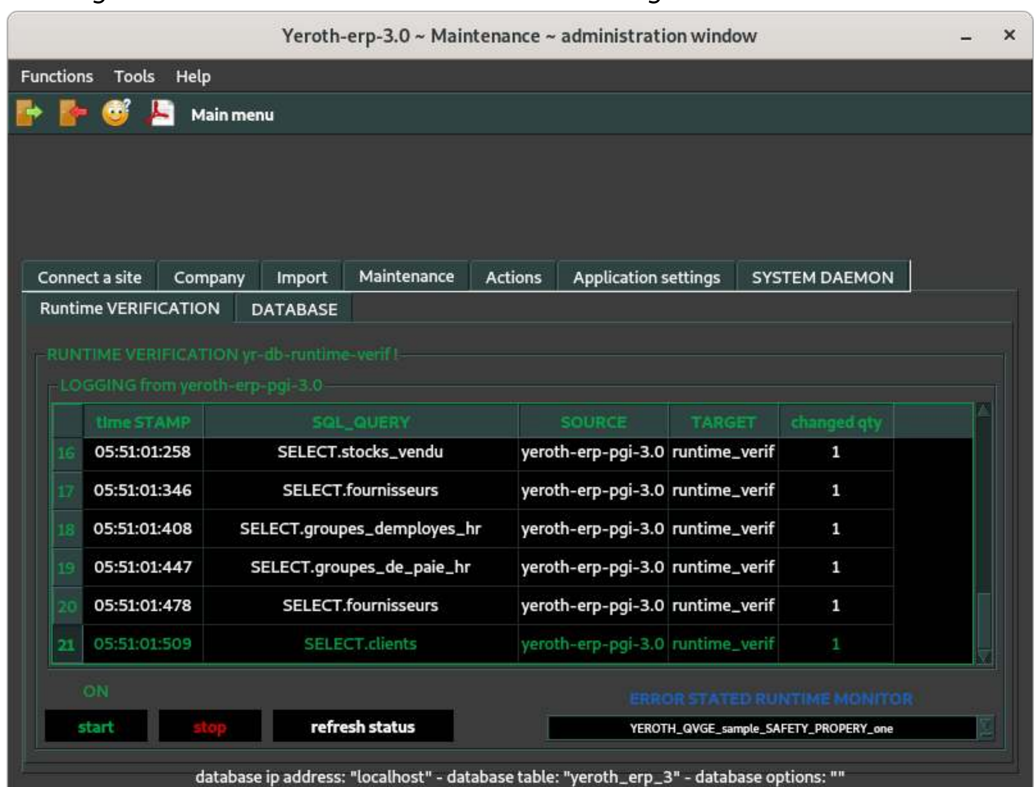


Figure 3.10 illustrates summary (AN EXPLANATION OF THE SQL QUERY, and not the exact syntax) SQL query sent to YERITH−ERP−9.0 database, with complementary information (e.g.: timestamp, etc.).

Information that appears in YERITH−ERP−9.0 monitoring interface is received by a dynamic program analyzer: "YR-DB-RUNTIME-VERIF "; that runs as a service background process on the same computer device. ***"YR-DB-RUNTIME-VERIF " versions that allows for OFFLINE dynamic analysis will not be open source (FOSS)***.

Each runtime monitor specification violated by an YERITH−ERP−9.0 execution is displayed in Figure 3.11. Details of each violated runtime monitor specification could be analyzed by a developer using YR-DB-RUNTIME-VERIF (a component of YERITH_QVGE design and testing system) window interface, as shown in Figure 3.11.

Figure 3.11 illustrates a sample SQL event sequence mismatch) as specified by runtime monitor "YERITH_QVGE_sample_SAFETY_PROPERY_one_Recovery_SAMPLE".

Chapter 4 explains the Design And Testing System YERITH_QVGE [Nou23a, Nou23d] with full authority.

Figure 3.11: YR-DB-RUNTIME-VERIF error reporting window tab.

Chapter 4

NEW SCIENTIFIC AND ENGINEERING INNOVATION (IN SOFTWARE QUALITY ASSURANCE)

This chapter reports about YERITH_QVGE Design and Testing System by Dynamic Program Analysis. YERITH_QVGE, a compounded software stack, has a Free And Open Source (FOSS) part, and a commercial paying part. Governments not able to pay for commercial versions of YRI_QVGE, and YR-DB-RUNTIME-VERIF, could ask me for a free of charge version.

4.1 Motivations

Figure 4.1: A State Diagram Mealy Machine Design Model within YERITH_QVGE.

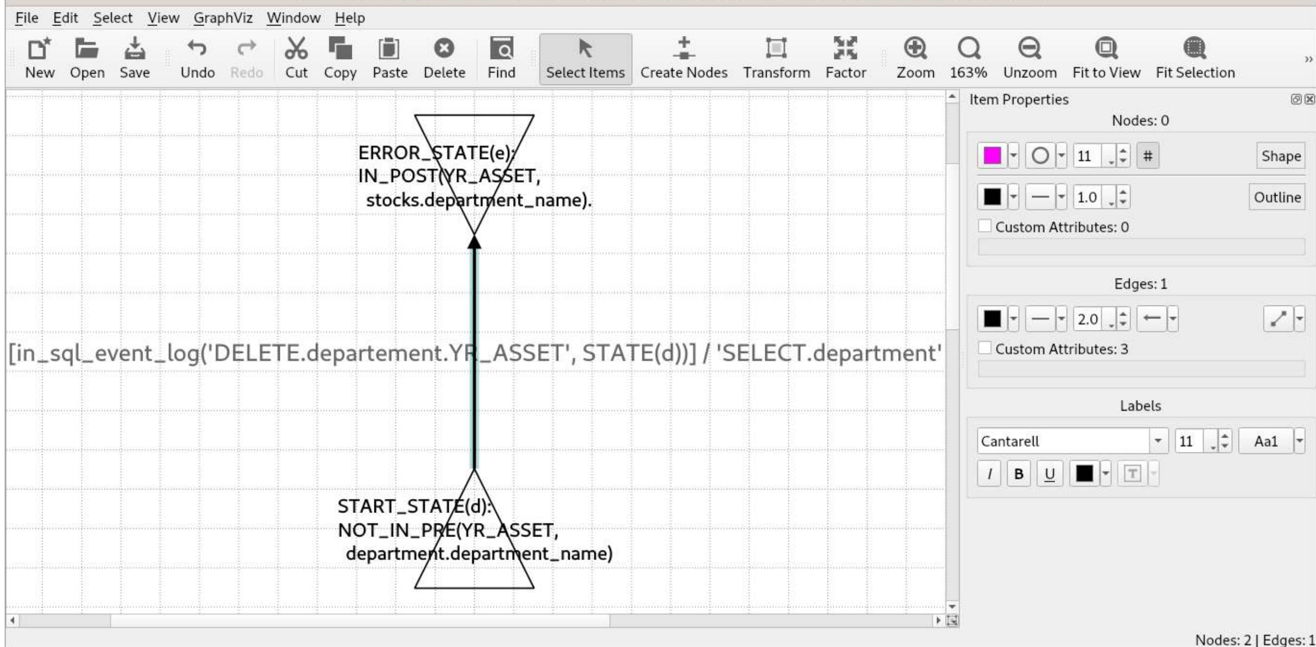
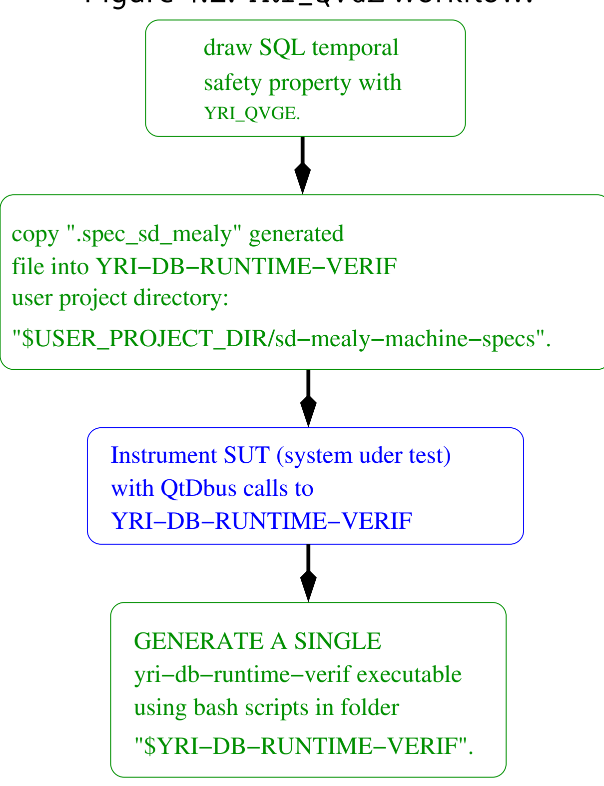


Figure 4.2: YRI_QVGE workflow.



Software correctness properties are essential to maintain quality by continuous and regressive integration testing, as well as runtime monitoring the program after customer deployment.

To this intent, I have developed a stack software package of 4 complementary libraries, and / or programs named YERITH_QVGE [Nou23a, Nou23d] a test and design system by dynamic program analysis. Details of YERITH_QVGE are explained in Section 4.2.

Figure 4.1 illustrates the commercial drawing tool that is part of YERITH_QVGE. Figure 4.2 illustrates a workflow of design and testing system YERITH_QVGE.

In summary, YERITH_QVGE (YR-DB-RUNTIME-VERIF) allows specification of a SQL temporal safety property by means of a state diagram mealy machine [NOU23g, Wik22]. In YR-DB-RUNTIME-VERIF, a specification characterizes effects of program events (via SQL statements) on database table columns by means of set interface operations ($\in$, $\notin$), and, enable to check these characteristics hold or not at runtime. Integration testing is achieved for instance by expressing a state diagram that encompasses both Graphical User Interface (GUI) states and MySQL [Mar22] databases queries that glue them.

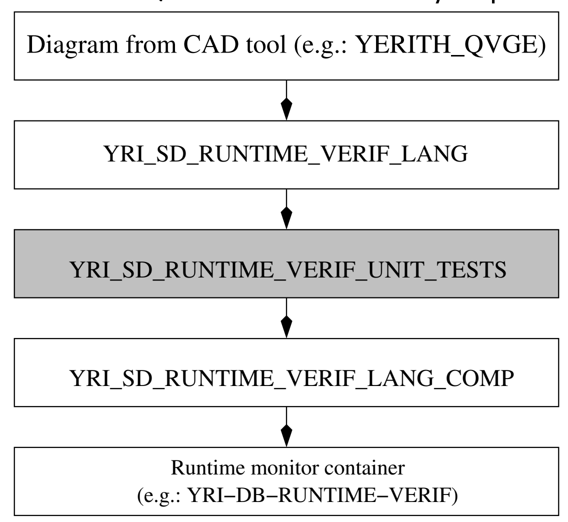
For example, a simple specification would encompass states between 'Department administration' and 'Stock listing' GUI interfaces, and transitions between them by means of MySQL databases operations. YR-DB-RUNTIME-VERIF doesn't generate false warnings; YR-DB-RUNTIME-VERIF specifications are *not desirable (forbidden) specifications (fail traces)*.

4.2 YERITH_QVGE (YRI_QVGE) Test And Design System by Dynamic Program Analysis

Table 4.1: YRI_QVGE Design and Testing System Dependencies

PROJECT	Required Library
1) YRI_SD_RUNTIME_VERIF_LANG	
2) YRI_SD_RUNTIME_VERIF_LANG_COMP	1)
3) YRI_SD_RUNTIME_VERIF_UNIT_TESTS	1)
4) YRI-DB-RUNTIME-VERIF	2)

Figure 4.3: YRI_QVGE software library dependencies.



YERITH_QVGE (YRI_QVGE) is a CASE (Computer-Aided Software Engineering) design tool to generate "domain-specific language (DSL) YR_SD_RUNTIME_VERIF_LANG [1]" files, to be inputted into the "compiler YR_SD_RUNTIME_VERIF_LANG_COMP ", so to generate C^{++} files for the "runtime verifier tester YR-DB-RUNTIME-VERIF [2]" that allows for manual verification of SQL correctness properties of Graphical User Interface (GUI) software.

Figure 4.3 show a diagram of the afore described process; The step of the unit tests is colored in gray because it is only for developers of YRI_QVGE intended; accordingly, Table 4.1 illustrates the same process as a software library dependency table.

Figure 4.2 illustrates a workflow diagrammatically of the afore described process.

YR-DB-RUNTIME-VERIF inputs SQL correctness properties expressed using the formalism "*state diagram mealy machine* (YR_SD_RUNTIME_VERIF_LANG)". Figure 4.7 illustrates a software system architecture of YR-DB-RUNTIME-VERIF, together with the monitored program under analysis. The Free Open Source Code Software (FOSS) tool-chain of development testing is located as follows for free, EXCEPT for "YRI_QVGE " that is a Closed Source Code Software (CSCS):

[1] https://github.com/yerithd/yr_sd_runtime_verif
[2] https://github.com/yerithd/yr-db-runtime-verif

- COMPILER (i.e.: YR_SD_RUNTIME_VERIF_LANG_COMP):
  https://github.com/yerithd/yri_sd_runtime_verif_lang
- RUNTIME VERIFIER TESTER (i.e.: YR-DB-RUNTIME-VERIF):
  https://github.com/yerithd/yri-db-runtime-verif
- state diagram mealy machine UNIT TESTS CODE (i.e.: YR_SD_RUNTIME_VERIF_UNIT_TESTS):
  https://github.com/yerithd/yri_sd_runtime_verif_UNIT_TESTS
- state diagram mealy machine (i.e.: YR_SD_RUNTIME_VERIF_LANG):
  https://github.com/yerithd/yri_sd_runtime_verif

4.2.1 SDMM: "State Diagram Mealy Machine"

Figure 4.4: A motivating example, as previous bug found in YERITH−ERP−9.0.

$\underline{Q0}$:= NOT_IN_BEFORE(YRI_ASSET, department.department_name).

$\overline{Q1}$:= IN_AFTER(YRI_ASSET, stocks.department_name).

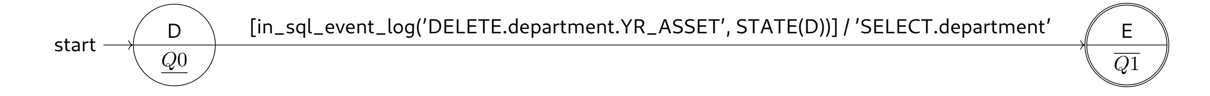


Figure 4.5: A SAMPLE state diagram mealy machine file.

```
yri_sd_mealy_automaton_spec yri_missing_department_NO_DELETE
{
 START_STATE(d):NOT_IN_BEFORE(YRI_ASSET,department.department_name)
  ->[in_sql_event_log('DELETE.departement.YRI_ASSET',STATE(d))]/'SELECT.department'->
   ERROR_STATE(e):IN_AFTER(YRI_ASSET,stocks.department_name).
}
```

Journal article in preparation [Nou23d] introduces a simple finite state machine formalism called State Diagram Mealy Machine ("SDMM"). Compiler YR_SD_RUNTIME_VERIF_LANG_COMP [Nou23a, Nou23d] inputs a specification as a "SDMM" and outputs a C^{++} program as a runtime monitor code specification for YR-DB-RUNTIME-VERIF dynamic program analyzer.

Figure 4.4 illustrates a simple automaton defining a "SDMM" specification. Its equivalent specification using Domain-Specific Language YR_SD_RUNTIME_VERIF_LANG is illustrated in Figure 4.5.

YERITH$_{r\&d}$ develops and sells YRI_QVGE: a graphical drawing tool for generating YR_SD_RUNTIME_VERIF_LANG [Nou23a, Nou23d] textual specification, as the one illustrated in Figure 4.5. Figure 4.1 illustrates a sample screenshot of YRI_QVGE.

4.2.2 Dynamic Program Analyzer Generator "YRI-DB-RUNTIME-VERIF" (OFFLINE analysis in commercial version)

Figure 4.6: YR-DB-RUNTIME-VERIF error reporting window tab.

YR-DB-RUNTIME-VERIF is a dynamic program analysis generator that inputs a text specification of a mealy automaton, and that uses state diagram mealy machine ("SDMM") library YR_SD_RUNTIME_VERIF_LANG to generate a runtime monitor binary executable that allows to:

- **Visualize** a graph representation, generated by the DOT−Graphviz [gra22] library program, of a runtime monitor specification.
- **Visualize, export, print**, system under test (SUT) (or also called program under analysis [PUA]) SQL events emitted to its database: for this, the library user must have instrumented (added additional source code) in its program sources, so to notify YR-DB-RUNTIME-VERIF of a query (E.G.: SELECT, etc.) to its application database.
- **Visualize, export, print**, SQL error events, as specified by the inputted "SDMM", that occur while the SUT is running (or not; using SUT SQL log event file).
- **Visualize** only SUT (system under test) SQL error events at the command line of execution as it prints out.

YR-DB-RUNTIME-VERIF ***versions that will allow for OFFLINE (from a trace event log file) dynamic analysis will not be Free and Open Source Software (FOSS)***.

Figure 4.6 illustrates a sample SQL error event log of Graphical User Interface (GUI) of YR-DB-RUNTIME-VERIF.

4.2.3 "YRI-DB-RUNTIME-VERIF" Software Architecture

Figure 4.7: SOFTWARE ARCHITECTURE OF YR-DB-RUNTIME-VERIF.

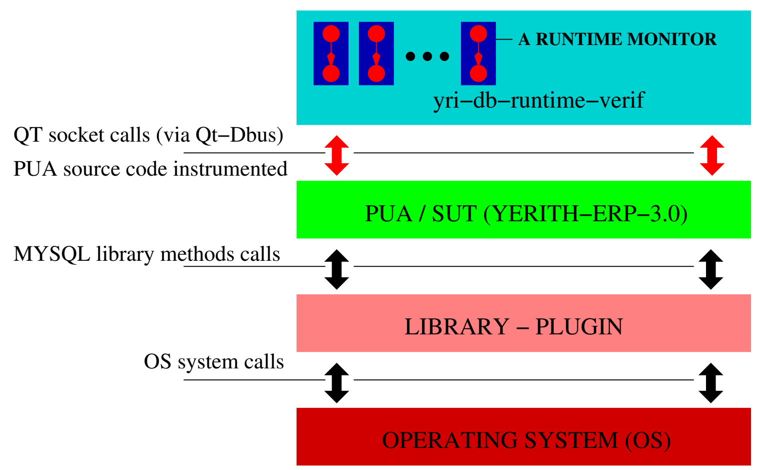


Figure 4.7 illustrates a software architecture of YR-DB-RUNTIME-VERIF:

1. Any software layer of a software system architecture can be checked against a temporal safety property, as long as, it is instrumented and emits necessary `Qt-Dbus` [dqi22] events to YR-DB-RUNTIME-VERIF layer.

Chapter 5

CONCLUSION

This chapter concludes this annual report on effort work on YERITH$_{r\&d}$business main software product YERITH−ERP−9.0.

5.1 Endeavor

YERITH$_{r\&d}$advocates for usage of a simple and efficient ERP (Enterprise Resource Planing) business software here in Africa because of a low level of formal education, and of income.

YERITH−ERP−9.0 was designed to be useful starting for people having at least 11 years of formal education at primary and collegial level here in Cameroon. ERP systems created, and, in usage in western developed countries, require advanced knowledge as detailed in [Nou23b].

5.2 MAJOR CONTRIBUTION IN COMPUTER ENGINEERING SCIENCE

Table 5.1 encompasses a detailed scientific comparison between most at time of writing popular programming languages: C^{++}, JAVASCRIPT, JAVA.

We found following reasons for introduction of virtual machines in the programming languages JAVASCRIPT, and JAVA:

- JAVA and JAVASCRIPT overcome runtime monitoring requirements by introducing language interpretation via virtual machine implementation and execution of programs.
- C^{++} doesn't have a mainstream equivalent to date; due to its compiled nature.

  I advocate YR-DB-RUNTIME-VERIF as the component through which any programming language may have for free by runtime execution, runtime monitoring capability.

Table 5.1: COMPARISON TABLE BETWEEN C++ [MS01], JAVASCRIPT [Fla20], AND JAVA [AGH00]. JAVASCRIPT and JAVA only have virtual machines that are in FACT REACTIVE SYSTEMS ! (WYSIWYG: What You See Is What You Get)

FEATURES	C++	Javascript	Java
1. PROGRAMMING LANGUAGE PHILOSOPHY	object−oriented	object−oriented	object−oriented
2. MACROS	√	√	
3. MULTIPLE INHERITANCE	√		
4. support INTERFACES	√	√	√
5. STATIC COMPILATION	√		
6. VM [1] INTERPRETATION AND MANAGEMENT		√	√
7. UNIT TESTING FRAMEWORK	√	√	√
8. NETWORK CAPABLE	√	√	√
9. CROSS PLATFORM PORTABLE	√	√	√
10. include FILE LIBRARY CAPABILITY	√		
11. MULTI THREADING	√		√
12. WYSIWYG GUI DESIGN TOOL	√		√
13. VIRTUAL MACHINE IS A REACTIVE SYSTEM		√	√

5.3 Societal Outcome Improvement

Following points would be major improvements in society if usage of YERITH r&d's computer systems products would be promoted:

- Africa has very bad institutions in terms of following−up clients files such as for example in JUSTICE palaces ministries.

  YERITH r&d would love to supply governments in southern francophone Africa with affordable and useful software systems at low cost so to improve politics governance management and ACCOUNTABILITY.

- Affordability and accessibility of low priced and simple to use ERP systems may boost economy because the lack of business acumen knowledge of very young entrepreneurs would be compensate by implemented knowledge in ERP YERITH r&d's YERITH−ERP−9.0.

  Let us for instance remember that at least 75% of Cameroon population is aged under 18 years old. Research investigations of YERITH r&d, as reported last year (2022) in [NN23], shows an introduction of YERITH−ERP−9.0 usage teaching starting at the 09th year (class of "5ème francophone", etc.) [2] of formal education in Cameroon would be very beneficial for young adult people when later on creating start-ups.

  Especially, more than 90% of this under 18 years old young people stop schooling before reaching the 1st year of university education because of lack of funding, here in Cameroon of CPDM (RDPC) political ruling party.

- Advanced Software Technology [NOU23g, Nou23e, Nou23a, Nou23d] developed for YERITH−ERP−9.0, both as Free and Open Source Software (FOSS), and as commercial priced product; would boost and improve software system quality in Africa.

[2] Last year report said 10th year.

Chapter 6

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YEROTH r&d

Version du – 9 juin 2024 –

RAPPORT DE TRAVAUX SUR LE PROGICIEL DE GESTION INTÉGRÉ YEROTH–PGI–3.0 (années 2015 – 2022)

”Pr. Dr. XAVIER NOUNDOU”

Résumé

Ce document rapporte notre ACTIVITÉ DE L'ANNÉE 2015 JUSQU'À CE JOUR sur le progiciel de gestion intégré (PGI (erp)) YEROTH−PGI−3.0.

YEROTH−PGI−3.0 est 1 PGI crée depuis le 1 Octobre 2015.

YEROTH−PGI−3.0 est 1 SYSTÈME D'INFORMATION qui permet à 1 personne, 1 groupe d'individus (incluant 1 famille), 1 entreprise commerciale, 1 entreprise de services, OU BIEN ENCORE 1 service ÉTATIQUE, etc. ; de **suivre sa gestion sur le PLAN DU COMMERCE ET DE LA FINANCE à l'aide de l'informatique.**

Table des matières

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Chapitre 1

Présentation de "Pr. Dr. XAVIER NOUNDOU"

Figure 1.1 – Portrait de "Pr. Dr. XAVIER NOUNDOU"



"Pr. Dr. XAVIER NOUNDOU" EST CHRÉTIEN ÉVANGÉLIQUE 'BORN-AGAIN (né-de-nouveau)', CAMEROUNAIS, ET NÉ LE 16 Septembre 1983 À DOUALA DANS LA RÉGION DU LITTORAL AU CAMEROUN.

"Pr. Dr. XAVIER NOUNDOU" A 1 GRADE ACADÉMIQUE ET PROFESSIONNEL DE *"DIPLOM−INFORMATIKER (DIPL.−INF.)"* PROVENANT DE **L'UNIVERSITÉ DE BRÊME EN ALLEMAGNE**, DEPUIS LE 25 MAI 2007.

"Pr. Dr. XAVIER NOUNDOU" A 1 GRADE ACADÉMIQUE ET PROFESSIONNEL DE PHILOSOPHIAE DOCTOR (PH.D.) PROVENANT DE **L'UNIVERSITÉ DE WATERLOO (ON, CANADA)**, DEPUIS LE 20 DÉCEMBRE 2011.

"Pr. Dr. XAVIER NOUNDOU" A DES CONTRIBUTIONS EN RECHERCHES ET DÉVELOPPEMENTS, ACADÉMIQUES ET EN INGÉNIERIE PROFESSIONNELLE COMME SUIT :

1. 'Statistical test case generation for reactive systems' RTT-MBT [1]; pour la start-up VERIFIED SYSTEMS INTERNATIONAL GmbH ("`https://www.verified.de`") de l'Université de Brême en Allemagne fédérale.

2. 'Context-Sensitive Staged Static Taint Analysis For C using LLVM'

1. `https://www.verified.de/products/model-based-testing`

1) code source en C^{++} :

YERITH−SAINT https://github.com/sazzad114/saint

2) document scientifique et / ou technique :

https://zenodo.org/record/8051293 .

3. 'YEROTH-ERP-3.0' :

1) code source en C^{++} :

YEROTH−ERP−3.0 https://github.com/yerothd/yeroth-erp-3-0

YEROTH−ERP−3.0 SYSTEM DAEMON https://github.com/yerothd/yeroth-erp-3-0-system-daemon

2) publications en continue : https://zenodo.org/record/8205911

4. 'YERITH_QVGE'

1) code source en C^{++} :

YR_SD_RUNTIME_VERIF_LANG_COMP https://github.com/yerothd/yr_sd_runtime_verif_lang

YR_SD_RUNTIME_VERIF_LANG https://github.com/yerothd/yr_sd_runtime_verif

YR-DB-RUNTIME-VERIF https://github.com/yerothd/yr-db-runtime-verif

YR_SD_RUNTIME_VERIF_UNIT_TESTS https://github.com/yerothd/yr_sd_runtime_verif_UNIT_TESTS

2) document scientifique et / ou technique :

https://zenodo.org/record/8381187 .

Chapitre 2

Progiciel de Gestion Intégré AU CAMEROUN

2.1 INTRODUCTION

Figure 2.1 – 2 IMAGES représentatives de YEROTH–PGI–3.0 (YEROTH–ERP–3.0 en ANGLAIS).

Figure 2.2 – Une image de YEROTH–PGI–3.0

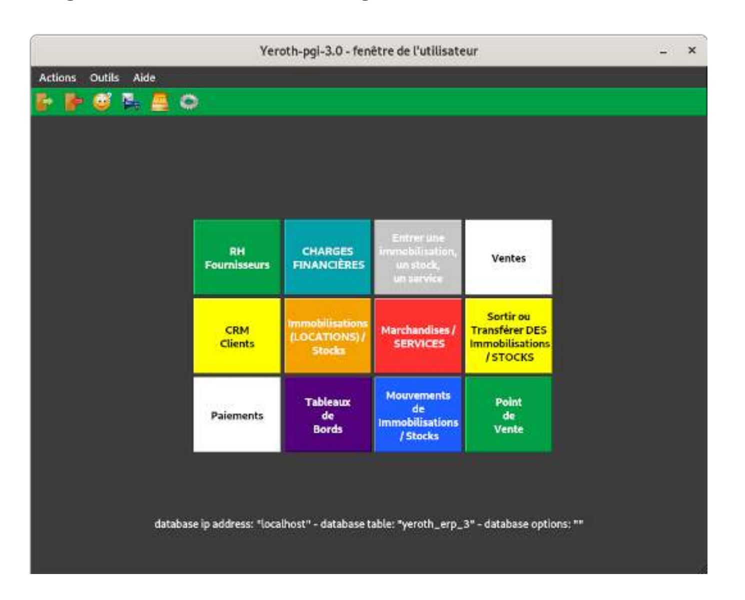
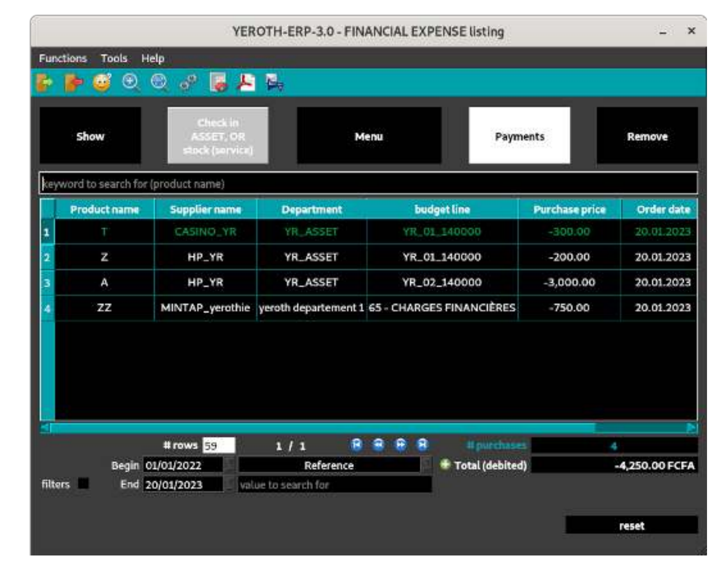


Figure 2.3 – DES CHARGES financières (lignes budgétaires inclues)!



YEROTH–PGI–3.0 est un PROGICIEL DE GESTION INTÉGRÉ (PGI)! La figure 2.1 illustre 2 images du PGI YEROTH–PGI–3.0.

Un progiciel (PRODUIT + LOGICIEL) de gestion intégré est un ***programme informatique*** qui aide ses utilisateurs à réaliser des tâches suivantes :

1. **enregistrer (répertorier), rechercher**, des stocks et / ou articles (OU IMMOBILISATIONS) dans un catalogue électronique

2. **VENDRE – TRANSFÉRER – SORTIR – ETC.**, des stocks et / ou articles (OU IMMOBILISATIONS) de leur catalogue électronique d'enregistrement
3. **créer des ALERTES sur des PÉRIODES DE TEMPS, sur des QUANTITÉS**, etc.
4. **VISUALISER DES STATISTIQUES** sur des ventes, des mouvements, etc. : de stocks, d'articles (OU IMMOBILISATIONS), etc.
5. enregistrer (répertorier), rechercher, etc. : des ***FOURNISSEURS, CLIENTS, EMPLOYÉS, MEMBRES, etc.***.
6. **EN RÉSUMÉ**, permettre à une personne, un groupe d'individus (incluant une famille), une entreprise commerciale, ou une entreprise de services, etc. : de **suivre sa gestion sur le PLAN DU COMMERCE ET DE LA FINANCE à l'aide de l'informatique** !
7. YEROTH−PGI−3.0 PREND EN COMPTE DES LIGNES BUDGÉTAIRES !

2.1.1 DOMAINES D'APPLICATIONS

YEROTH−PGI−3.0 (YEROTH−ERP−3.0 EN ANGLAIS) peut être ré−utilisé par N'IMPORTE QU'ELLE ORGANISATION NON gouvernementale (ONG), OU GOUVERNEMENTALE !

YEROTH−PGI−3.0 A POUR OBJECTIF premier D'ÊTRE TRÈS facile d'utilisation POUR DES personnels ou UTILISATEURS sous éduqués !

LES PGI (erp en anglais) les plus propagés au CAMEROUN : Sage Gescom i7, SAP Business One, ou encore Odoo, SONT BÂTIS pour des licenciés !

1 COMPARAISON DÉTAILLÉE SE FAIT DANS LES DOCUMENTS [NOU21c, NOU21a] !

En RÉSUMÉ, YEROTH−PGI−3.0 **a les fonctions suivantes** :

1. administration des utilisateurs, et, des rôles
2. alertes sur les quantités en stocks, et sur les périodes de temps
3. gestion des RESSOURCES HUMAINES, clients (CRM), fournisseurs, LIGNES BUDGÉTAIRES
4. gestion des stocks, DES IMMOBILISATIONS
5. gestion des ventes (locations, caisse, etc.)
6. recherche basée sur des modèles avec le caractère %
7. tableaux de bords.

LE GUIDE et/ou MANUEL DE L'UTILISATEUR [NOU22a] DE YEROTH−ERP−3.0 re−précise des domaines d'applications, ainsi QUE DES CAS D'UTILISATIONS pratiques !

QUELQUES DOMAINES D'UTILISATIONS SONT PAR EXEMPLE :

1. bureaux d'études et de conception en ingénierie ;
2. cabinets d'avocats ;
3. sociétés d'assurances ;
4. etc.

2.1.2 Droits D'accès

LES UTILISATEURS du progiciel de gestion intégré YEROTH–PGI–3.0 n'ont pas les mêmes **droits de VISUALISATIONS, ET / OU DE MANIPULATIONS DES DONNÉES** !

Par exemple, un employé ne peut pas observer ou manipuler des données spécifiques à son patron.

2.1.3 Régionalisation

YEROTH–PGI–3.0 est disponible dans des langues suivantes : ANGLAIS, et FRANÇAIS.

2.2 AVANCEMENT PÉDAGOGIQUE ET/OU TECHNOLOGIQUE avec YEROTH–PGI–3.0

Table 2.1 – Comparaison entre YEROTH–PGI–3.0 et quelques autres progiciels de gestion intégré

CRITÈRES	YEROTH–PGI–3.0	Sage Gescom i7	SAP Business One
vue du logiciel dépendante du rôle	OUI	OUI	OUI
formation complète	au moins 2 semaines	au moins 2 mois	au moins 3 mois
interface du logiciel	évidente	très compliquée	très compliquée
langage dans le logiciel	usuel de tous les jours	simple	technique
formation comptable	jamais	jamais	utile
formation en marketing	jamais	utile	utile
connection internet	optionel	optionel	obligatoire

Nos travaux depuis OCTOBRE 2015 au CAMEROUN (yaoundé et douala), et au CANADA (waterloo (ontario)), NOUS ONT AMENÉ À ÉTABLIR le tableau 2.1, comparatif des 3 progiciels de gestion intégré les plus appropriés POUR LA PLUPART DES entreprises!

AVANCEMENT technologique

Le tableau 2.1 illustre à merveille la simplicité et l'efficacité de YEROTH–PGI–3.0, en comparaison avec les progiciels de gestion intégré "Sage Gescom i7", et "SAP Business One".

EXPÉRIENCE PÉDAGOGIQUE avec "NESTOR KENFACK"

EN PARTICULIER, NOTRE EXPÉRIENCE D'INTÉGRATION dans des structures du **promoteur investisseur "NESTOR KENFACK"** :

1. QUINCAILLERIE N.K (sis AHALA–barrière)
2. POISSONNERIE PLUS (sis AHALA–barrière)

nous ont permis de RÉALISER que nous pouvions, ***AVEC SUCCÈS DE RÉSULTATS OPÉRATIONNELS EFFECTIFS*** :

1. FORMER 1 TITULAIRE DU b.e.p.c AU NIVEAU ACADÉMIQUE en 3 JOURS SEULEMENT!

   B.E.P.C : brevet d'études DU PREMIER CYCLE (ENVIRON 12 ans d'études primaires et d'études du premier cycle d'enseignement secondaire francophone!).

2. EN DEHORS DE YEROTH–PGI–3.0, IL EST IMPOSSIBLE À 92% DE FORMER effectivement le titulaire d'1 niveau académique inférieur à la licence [1], ***À L'UTILISATION EFFECTIVE D'1 PGI (erp), avec des résultats opérationnels effectifs!***

1. Environ 3 ans universitaires après l'obtention du BACCALAURÉAT.

AVANCEMENT pédagogique

Il ressort de nos expériences en entreprises commerciales et/ou organisations non gouvernementales; Sage Gescom i7, SAP Business One, Odoo, etc., sont SIMPLEMENT TRÈS difficile à intégrer dans 1 environnement de TRAVAIL où le personnel opérationnel et/ou logistique à 1 niveau éducatif INFÉRIEUR À 1 LICENCE!

2.3 AVANTAGES DE L'UTILISATION DES PGI (erp en ANGLAIS)

L'utilisation des PGI (erp an anglais) aurait des avantages très imposants pour des pouvoirs publics en ce qui concerne des points suivants :

1. ***FACILITATION DE L'ÉCONOMIE;*** des petits commerçants ne maîtrisant plus des techniques de gestion commerciale MODERNE, ne souffrirait PLUS DU problème de manque de savoir!

   EN EFFET, tout les savoirs de techniques modernes en gestion commerciale et comptable SERAIENT IMPLÉMENTÉ dans YEROTH–PGI–3.0!

2. ***FACILITATION DE LA COLLECTE DES IMPÔTS (fisc) :*** en effet, le calcul des recettes et des montants imposables par des administrations fiscales aux commerçants et industriels POURRAIENT ÊTRE fait directement sur la base DE LEUR (PROPRE DÉCLARATION EN LIGNE sur le média INTERNET)!

   EN EFFET, CECI EST MONNAIE COURANTE dans des grands pays industriels occidentaux TELS QUE LA RÉPUBLIQUE FÉDÉRALE D'ALLEMAGNE (RFA), LE CANADA, ETC.!

3. ***FACILITATION DE L'IMPLÉMENTATION des nouvelles politiques économiques ET FISCALES du cameroun!***

   En effet, chaque année budgétaire, des FORMULES DE CALCULS seraient automatiquement ré-actualisées dans YEROTH–PGI–3.0 (YEROTH–ERP–3.0 en ANGLAIS), au fin de faciliter l'implémentation des politiques financières et économiques du CAMEROUN!

2.4 Recommandations EFFECTIVES AU GOUVERNEMENT

2.4.1 Coûts TECHNOLOGIQUES

Table 2.2 – Comparaison de réutilisation au plan financier (**APPROXIMATIF**) entre YEROTH–PGI–3.0 et quelques autres progiciels de gestion intégré

CRITÈRES	YEROTH–PGI–3.0	Sage Gescom i7	SAP Business One
SYSTÈME D'EXPLOITATION	Debian Linux	MS Windows	Debian Linux
Coût D'ACQUISITION	30 $USA	200 $USA	30 $USA
Coût De La Formation POUR 1 TECHNICIEN	300 $USA	VARIABLE	VARIABLE
Coût De La Formation POUR 1 USAGER	500 $USA	VARIABLE	VARIABLE
Coût De La Maintenance (mensuel) POUR 1 ORDINATEUR	30 $USA	VARIABLE	VARIABLE
Coût De L'acquisition du PGI (ERP en ANGLAIS)	**VARIABLE**	**VARIABLE**	**VARIABLE**

LE TABLEAU 2.2 COMPARATIF DES RESSOURCES FINANCIÈRES RELATIVES À L'ACQUISITION ET À L'ENTRETIEN DES PROGICIELS DE GESTION INTÉGRÉ AU CAMEROUN ressort que :

1. LE SYSTÈME D'EXPLOITATION Debian Linux EST LE MEILLEUR.

2.4.2 Conclusions

L'UTILISATION DES PGI (ERP en Anglais) devrait être PROMUE PAR DES MESURES TELLES QUE :

1. ***LA RÉDUCTION DE CERTAINES TAXES entrepreneuriales AUX FINS DE PROMOUVOIR L'ACHAT ET / OU LA maintenance des progiciels de gestion intégré***

2. ***LA SUBVENTION financière et/ou économique de l'entrepreneur–investisseur***

EN EFFET, la ré–utilisation des pgi (ERP en anglais) AUGMENTERAIT LA PRODUCTIVITÉ DES entreprises à 1 haut niveau, DIMINUANT ainsi la faillite et la baisse de productivité !

Chapitre 3

YEROTH–PGI–3.0 EN ACTION

3.1 ACCESSOIRES DU PGI YEROTH–PGI–3.0

Figure 3.1 – ACCESSOIRES pour YEROTH–PGI–3.0 (EN ANGLAIS YEROTH–ERP–3.0).



1. **L'ordinateur (OBLIGATOIRE)**



2. **L'écran (OBLIGATOIRE)**



3. Le tiroir de caisse **(FACULTATIF)**



4. L'imprimante de tickets PDV (thermique) **(FACULTATIF)**



5. Le lecteur de code barres **(FACULTATIF)**



6. L'ORDINATEUR PORTABLE 2 en 1 **(FACULTATIF - obligatoire)**

DES ACCESSOIRES pour YEROTH–PGI–3.0 sont représentés à la FIGURE 3.1!

✓ ***NOS ÉTUDES ET expériences nous ont prouvées que la non utilisation d'accessoires; par les entreprises sélectionnées par nos soins était dû à la cherté de ces matériaux qui facilitent LE TRAVAIL ERGONOMIQUE (travail sans mauvaises conditions de vie et de travail)!***

3.2 ENTREPRISES RÉUTILISÉES pour tests et VALIDATIONS

Figure 3.2 – Graphiques représentatifs des tests et VALIDATIONS pour YEROTH−PGI−3.0 (YEROTH−ERP−3.0 en ANGLAIS).

Figure 3.3 – SECTEURS D'ACTIVITÉS ÉCONOMIQUES représentés, en pourcentages (%)

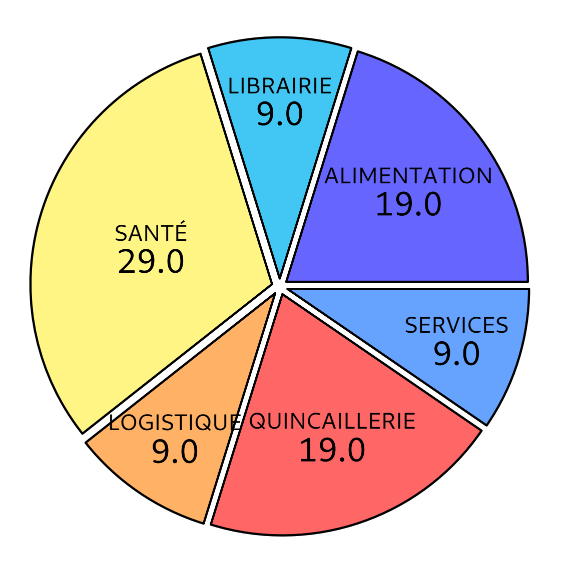


Figure 3.4 – POURCENTAGES (%) D'UTILISATEURS par Secteur représentés

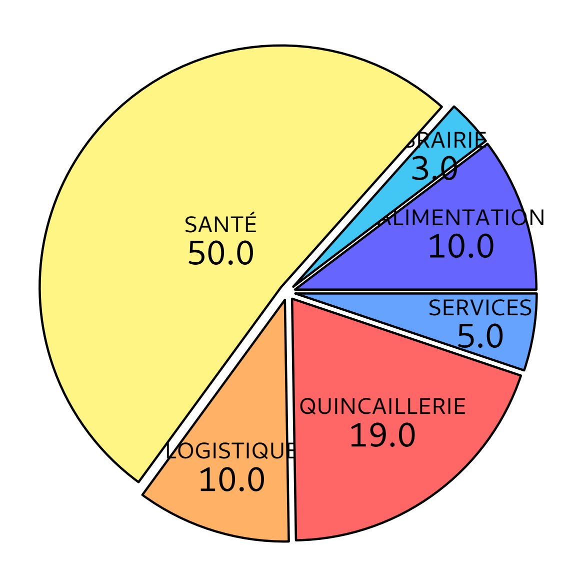


Table 3.1 – ENTREPRISES RÉUTILISÉES (2015−2022) pour le test et la validation de YEROTH−PGI−3.0 (EN anglais YEROTH−ERP−3.0).

SECTEURS D'ACTIVITÉS	LANGUES	ENTREPRISES (réseau : # d'ordinateurs connectés)	# d'utilisateurs (accessoires : quantité)	DIFFICULTÉ D'INTÉGRATION (croissant 1 – 5)
1. ALIMENTATION	FRANÇAIS	POISSONNERIE PLUS	3	5
2. ALIMENTATION	ANGLAIS	NGO−PHARMACY FIANGO LYCÉE DE MAKÊPÈ (✓ : 2)	5	3
3. LIBRARIE	FRANÇAIS	BILINGUAL entente bookshop	2	5
4. SANTÉ	ANGLAIS	PHARMACY FIANGO LYCÉE DE MAKÊPÈ (✓ : 4)	5 (✓ : 1)	5
5. SANTÉ	FRANÇAIS	P.C.T.B s.a.r.l (✓ : 5)	20	5
6. SANTÉ	FRANÇAIS	HAPPINESS POTENTIAL s.a.r.l	3	3
7. SERVICES	FRANÇAIS	ETS BEST CAR CARE & SERVICES	3	2
8. LOGISTIQUE	ANGLAIS, ET FRANÇAIS	BONTÉE s.a.r.l (✓ : 4)	6 (✓ : 1)	3
9. QUINCAILLERIE	FRANÇAIS	QUINCAILLERIE N.K	5	2
10. QUINCAILLERIE	FRANÇAIS	QUINCAILLERIE la confiance	6	5
# SECTEURS	**# LANGUES**	**# ENTREPRISES**	**# UTILISATEURS | # ACCESSOIRES**	**DIFFICULTÉ CUMULÉE (moyenne)**
6	2	10	58 | 2	3.8

LE TABLEAU 3.1 rapporte que **la difficulté moyenne d'intégration de YEROTH−PGI−3.0 DANS CES STRUCTURES DE TESTS ET VALIDATIONS, est de 4, sur une échelle allant de "1 − 5", AVEC "1" la plus petite difficulté, ET "5" LA DIFFICULTÉ d'intégration LA PLUS GRANDE!**

NOUS AVONS REMARQUÉ que des titulaires de diplômes académiques très élevés avaient plus de difficultés à INTÉGRER YEROTH−PGI−3.0 (YEROTH−ERP−3.0 EN ANGLAIS) dans leurs structures ORGANISATIONNELLES!

EN L'occurrence '**P.C.T.B sarl (POLYCLINIQUE DE CHIRURGIE ET DE TRAITEMENT DES BRÛLÉS sarl)**' a été 1 échec, POURTANT LE PROMOTEUR est le plus instruit (BACC + 14) DE TOUS LES ENTREPRISES RÉ–UTILISÉES pour des tests et VALIDATIONS en grand !

Le tableau 3.1 DÉMONTRE À SUFFISANCE LA POSSIBILITÉ DE RÉUTILISATION DE YEROTH–PGI–3.0 DANS DES PETITES; moyennes, et très grandes entreprises CAMEROUNAISES!

NOUS AVONS EXPÉRIMENTÉ AVEC SUCCÈS dans **2 villes (DOUALA ET YAOUNDÉ)**; POUR **un total de 53 UTILISATEURS; POUR un total de 9 ENTREPRISES COMMERCIALES T organisations non gouvernementales; ET CE, réparties dans 5 différents secteurs d'activités économiques!**

LA FIGURE 3.3 REPRÉSENTE EN POURCENTAGES les secteurs d'ACTIVITÉS économiques des entreprises que NOUS AVONS RÉUTILISÉS pour nos tests et VALIDATIONS !

LA FIGURE 3.4 REPRÉSENTE LES pourcentages d'utilisateurs, répartis par secteurs d'activités économiques des entreprises que NOUS AVONS AVONS RÉUTILISÉS pour nos tests et VALIDATIONS !

MERCI À TOUTES CES ENTREPRISES ET organisations non gouvernementales !

EN PARTICULIER les entreprises suivantes pour leur aide financière à l'investissement technologique de YEROTH$_{r\&d}$:

1. PHARMACY FIANGO LYCÉE DE MAKÊPÈ.

Chapitre 4

PERSPECTIVES D'AVENIRS

4.1 PLAN COMMERCIAL ET INDUSTRIEL

Figure 4.1 – Une image d'1 ordinateur portable 2 — 1 (2 en 1).



JE RECOMMANDE LE financement de LA START−UP TECHNOLOGIQUE YEROTH$_{r\&d}$POUR LA MISE EN ŒUVRE DES "ordinateurs portables 2 — 1 (2 en 1)" MUNIS de YEROTH−PGI−3.0 (EN ANGLAIS YEROTH−ERP−3.0) !

En particulier, des "ordinateurs portables 2 — 1 (2 en 1)" sont très ré−utilisables dans des structures et/ou secteurs industriels et/ou tertiaires avec des caractéristiques suivantes :

1. OPÉRATIONS DE GESTION AUX endroits sans tables et / ou espaces de dépôts (ex : À L'ENTRÉE D'1 SCIERIE industrielle, etc.)
2. MANQUE D'ESPACE pour le dépôt d'ordinateurs "DESKTOP" (e.g. : 1 comptoir ambulant de vente MTN [1]).

1. ENTREPRISE SUD−AFRICAINE OPÉRANT DANS LA TÉLÉPHONIE MOBILE AU CAMEROUN.

4.2 PLAN ÉDUCATIF

4.2.1 Définitions de Gestion Commerciale et Comptable

AU PLAN ÉDUCATIF, nous avons ré−écrit certaines définitions de gestion commerciale [NOU22a, NOU22b, NOU21b] AUX FINS de les rendre plus compréhensibles POUR DES JEUNES en formation au PGI (erp en ANGLAIS) YEROTH−PGI−3.0 (en ANGLAIS YEROTH−ERP−3.0) !

Nous avons approché des promoteurs d'établissements scolaires et universitaires professionnels AUX FINS de partager des informations et DE PRÉPARER des jeunes élèves et étudiants à l'utilisation des PGI (erp en ANGLAIS) :

1. COLLÈGE intec DOUALA (m. JEAN PIERRE moubeb, EN PERSONNE);
2. Institut Universitaire de la Côte DOUALA (M. Hypolithe Tekeu, EN PERSONNE);
3. Startup Academy 237 YAOUNDÉ (Dr. CLAUDEL noubissie, via EMAIL, WHATSAPP).

Ces 3 échanges ont été sans suite favorables pour cause de défaut de plan OHADA dans YEROTH−PGI−3.0.

L'INTÉGRATION DU SYSTÈME COMPTABLE OHADA suis son cours en ce moment !

4.2.2 Intégration au Programme Officiel d'Enseignement Secondaire

Nous préconisons des points suivants aux fins de permettre aux jeunes, même ceux arrêtant des études au bas âge d'être en mesure d'utiliser efficacement 1 pgi (erp en anglais) :

1. INSTRUCTION DE YEROTH−PGI−3.0 (YEROTH−ERP−3.0 EN ANGLAIS) dès des classes de 4ème AU PREMIER CYCLE D'ENSEIGNEMENT SECONDAIRE FRANCOPHONE ; et anglophone ÉQUIVALENT !

LE RESPECT DE CES MESURES PERMETTRA aux FUTURS gouvernements DU CAMEROUN de ne plus avoir à investir beaucoup de moyens financiers et autres ; AUX FINS DE PROFESSIONNALISER des jeunes !

EN EFFET, pour ceux des jeunes qui n'iront pas bien loin dans des études, ils seront néanmoins en mesure d'exercer des professions libérales ou pas à l'aide de l'outil informatique DE BASE !

4.3 PLAN DE LA recherche appliquée et/ou fondamentale EN GÉNIE INFORMATIQUE

AU PLAN DE LA RECHERCHE scientifique appliquée et/ou fondamentale, YEROTH−PGI−3.0 (en ANGLAIS YEROTH−ERP−3.0), NOUS A PERMIS DE DÉVELOPPER DES OUTILS ET MÉTHODES DE test, vérification, et validation de progiciels [Nou23].

NOUS AVONS APPROCHÉ DES STRUCTURES DE HAUTES TECHNOLOGIES :

1. HIMORE−MEDICAL s.a.r.l (PROMOTEUR ingénieur informaticien arthur zang)

AUX FINS DE leur proposer DES COOPÉRATIONS DE VÉRIFICATION ET DE TESTS AUTOMATISÉS DE LEUR PROGICIELS dans le domaine médical cardio−vasculaire!

NOUS SOMMES SANS SUITE DE RÉPONSE JUSQU'À CE JOUR!

Chapitre 5

CONCLUSION

L'UTILISATION DES progiciels de gestion intégré (EN ANGLAIS "enterprise resource planing software") DEVRAIT ÊTRE PROMUE PAR DES MESURES TELLES QUE :

- **LA RÉDUCTION DE CERTAINES TAXES entrepreneuriales AUX FINS DE PROMOUVOIR L'ACHAT ET LA maintenance des progiciels de gestion intégré**
- **LA SUBVENTION financière et/ou économique de l'entrepreneur−investisseur**

EN EFFET, la ré−utilisation des pgi (ERP en anglais) AUGMENTERAIT LA PRODUCTIVITÉ DES entreprises à 1 haut niveau, DIMINUANT ainsi la faillite et la baisse de productivité !

Chapitre 6

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[NOU22b] XAVIER NOUNDOU. YEROTH−ERP−PGI−3.0 DOCTORAT COMPENDIUM. https://archive.org/download/yeroth-erp-pgi-compendium_202206/JH_NISSI_ERP_PGI_COMPENDIUM.pdf, 2022. ACCÉDER POUR LA DERNIÈRE FOIS le 22 juin 2022 à 12:00.

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~~Noumbissi~~ Noundou (Pr. Prof. Dr.–Ing.), Xavier

Professeur d'Ingénierie Informatique (Analyse Et Vérification Des Produits Logiciels)

PRESIDENT POUR DES ÉLECTIONS PRÉSIDENTIELLES DU CAMEROUN EN 2025

Convictions about civil society

- "~~Datouo, KEMAJOU~~" Cameroon's gendarmerie colonel indic PAULETTE AZEFA tried to ASSASSINATE myself, openly, in front of at least 7 people, on Yaounde street, on January 09th, 2024.
- Kemajou spouses talk to people walking across roads that they shalln't perform christian cross-signs since these interrupts sorcery they are doing on people walking on roads (June 3rd, 2024).
- Secret (hidden) orders of any type SHALL be out of civilian society.
- Cameroon SHALL DEACTIVATE any kind of army soldiers estate, as SWITZERLAND has done in the past.
- Its is not a good idea to judge people based on suspicious behavior, and not, real proven or not lived really facts.
- ROSE sangnou, a BIRTH GIVER of mine, SHALLN'T ANYMORE be causing so much trouble into my life because she entertains a rosicrucian affair with Prof. Dr. rer. pol. JEAN–CLAUDE SHANDA–TONME; AND with 'DORIS beteubang Gweh', 'Hugues Ntomani Tiako'; "Dr. Henriette Pola", and her spouse "Dr. Laurent tchandeu".
- People such as KEMAJOU, who acts as a colonel gendarmerie of Cameroon army ARE ALWAYS TRYING to overcome criminal laws of Geneva.
- I don't want to be living with people that have as profession the killing of other people.
- Rose sangnou sister, (Justice) DOROTHÉE SHANDA NDJATIE, HAS TRIED to kill me by police force illegally in February 2021, as I have a file on judge HUGUES ALAIN YAGER MABOMA at DOUALA–ndokoti JUSTICE Palace ! • LAQUINTINE's Psychiatrist EYOUM CHRISTIAN, MD, was involved together with 8 other persons at night around 11 : 30*PM* so to hijack my privately owned property in Douala-CITÉ-DES-PALMIERS. • JUDGE HUGUES ALAIN YAGER MABOMAis from same tribal tribe as ACCUSED psychiatrist main offender (sawa–douala) ! • IT SEEMS "Dr christian eyoum, MD" the corrupted CPDM psychiatrist wanted myself to be sodomized by "BERTRAND" who broke the seal of my gate in steel.
- CIA (Central Intelligence Agency) shalln't hire anymore incompetent persons like 'Peter Alan Burh' 'baleba–faux-pasteur' 'NDZIÉ' 'PRC–présidence de la république du Cameroun' 'CHAPELLE DE LA GLOIRE DE CHRIST – marc denis djeng djeng – alias pasteur marco' 'IDIOT-jp-kamgain-chien' 'SAPEUR-POMPIER-de-malheur—indic–gendarme–policier–uniforme–medic' 'NORBERT tchatat–criminel' 'Bitoungi (douanes)' 'David Moniaux' 'Aurélie Yagno Kamdoum' 'DR. FOSSO–sed' 'Soot–canadian' 'sarah-landy-canadian-citizen' 'tchangoue–labforge.ca' 'sandy-sed-beidu-peggist-jo-atlee' 'carine–alias–edith – LELE – NJOUGEP – TCHANA' 'Julien-mboutou; santé publique' 'Dan Wasula waswa - so called pastor baptist church' 'KAMGA adamo – idiot – demson' 'Cameroon-chief-of-state; CAMEROUN.' 'SANDRINE-idiote yimbou' 'CHENGWA' 'DJOMO-Sawa–gilles-ézéchiel' 'didi–ruben' 'mama–fouda-idiot' 'INES ngakou' 'Serge Achille Fopoussi NONO - sed - cmr' ['~~NKWOUANO~~'] ['~~djomo~~'] ['~~TCHUIDJANG – sed - pre~~'] ['NGONGANG'] 'Hôpital Jamôt' 'VOUFFO manuela–chienne–psy–malade-mentale' 'alain-elame' 'francis magloire come nkoulou' 'ZOUMPE–idiot–jacky–diane' 'BIYA (Paul et Chantal en particulier)' 'DAIMLERCHRYSLER AG' 'BRYAN–tchamaha–ntaata-italie-chien' 'SALIOU MOUSSA–pd' 'Affana' 'Faurecia GmbH–bavaria' 'magne–bakam–bir–dgre–sed–cameroun' 'BIR – emanè-nkoa-marcelin-pierre – capitaine-mbida-dsp - mado-soeur emane–ETOGA' 'Brice sime (afriland–first–bank)' '~~GUTTEMBERG~~ tchamaha ntaata' 'Sylvanie MFEUKEN' 'ANICET Mfeukem' 'WANDJI Théodore' 'COLONEL eloundou–sed' 'Colonel ÉMILE bamkoui (semil–sed)' 'Christopher NGOSONG (University of Buea)' 'Rainer and Gabrielle SCHULZE–SMIDT' 'Franck biya' 'M. onguéné (s2TBED–biya–franck)' 'David (GATE SOLUTION CENTER)' 'KREYENHOP (BLG logistics, CDU politicians)' 'Achilles Kouam (PAUL fokam kammogne)' 'Thierry Nyamen (Pr. Prof. Dr.–Ing.)' 'MOÏSE–idiot–yamkam–tebiwo' 'REZA kopae (riskview inc.)' 'Thomas NDIE DJOTIO' 'Christelle-akamba–et–autres-noms-de-akamba' 'VALERIE' 'ALT LE PLUS' 'Nestor KENFACK (N.K. quincaillerie)' 'atanga-nji-paul-culprit' 'Daniela–siemens-OCS-erlangen' 'Menguéné Mvindi' 'TCHEUFFA' 'Audrey NGUETIE tchamga (ex girl–friend)' '~~JIHANE ayachi~~' 'ZABER-idiot-algérien-bremen' 'DZUKOU–tate–fotso–viviane' 'irene-ines-ngakou-temou-FAINÉANTE-suisse-bordellerie' 'VANELLE–JUNIOR–laure AZEFA-gang' 'GODRICK chekete H.' 'pasteur Landry' 'Eric Joël KOM SIPA' 'Grégoire Owona (CPDM general secretary)' 'SANGO (Spouse Bernadette NOUNDOU(CMR-dgre)' 'gendarme essono en civil (iloga–iloga–aurélien)' 'GÉNÉRAL DE CORPS D'ARMÉE bouba.' '~~consortium–conrad-black–ROTHSCHILD~~' '~~GALAX YVES LANDRY ETOGA–chien~~' '~~jean–yang–CMU~~' '~~ILOGA ILOGA AURÉLIEN~~' 'SHANDA NDJATIE' 'MAXIME napoa eteme' '(a so called baptist church pastor) Dr. PAUL siméon nomo, Psy.D.' 'Majeed Mike (quantstamp.com)' 'LEO passos (quantstamp.com)' 'iuc; masc. hypolithe tekeu.' 'Eunice GAPIE Yemte' 'Yves Francis DANTEU' 'Winnie-shanda-joël...' 'Alexie TCHEUYAP' 'Gervais Nana' 'JEAN CLAUDE SHANDA TONME' 'Jean–Paul YAMTCHE (Afriland first bank; Intelligentsia)' 'JEAN–PIERRE kamgain' 'Bernadette NOUNDOU, Epse SANGO (cmr DGRE)' 'RAOUL Prince njonkep (SED)' 'ERIC BODDDEN' 'Prof. Dr. Xavier Siewe Noundou (CMR-dgre)' 'Me. André Édouckè' 'JULES nteta noundou -(cmr-dgre)' **'SALAUD-rcmp-assassin FABRICE-WILFRIED-siemeni-canadian-armed-forces; Prof. Dr. med. Norbert SIEMENI (CMR-sed)'** 'Ondřej Lhoták' 'Dr. Chantal NOUNDOU, Epse ... (cmr DGRE)' 'ANNIE METIAM' 'terreur - ;HONORÉ WOUCHE' '~~POKAM KWAM~~' 'Serge, jérusalem apostolat' 'NOUMBISSI' 'Guimezap' 'GEORGETTE' 'Victor Noundou Koliou cmr-sed' 'Christian rikong ngueyong' 'Hilaire' 'Jeanne MVONDO' 'CHETA' 'rodrigue-alain-sienchie-ngongang' 'angela WOLFGANG fernand JR owona' 'fanfan (GAUTHIER) SHANDA tonme' 'DR. GADJEU francis aimé tchana' 'ute' 'Patrick lam, Ph.D., P.Eng.' 'JON eyolfsson' 'Prof. Dr. rer. nat. Jan Peleskas' 'Patrick' 'YAGER MABOMA' to try to kill humble black engineers and scientists.
- People like PAUL BIYA shalln't be called president of all Cameroonian anymore because as CPDM ruling party, they harass people that don't call themselves from RDPC !

Contact

- Address: `YECEFOIQ` – "Immeuble YERITH"– barrière – Simbock, Yaoundé VI, Cameroun
- Email: YERITH.xavier@gmail.com

Objectifs de Recherche Académique en Sciences Informatique

- Créer 1 progiciel de gestion intégré complet, pragmatique, et de très bas coût, aux fins de contribuer a la diminution de la pauvreté en Afrique.
- Créer et faciliter la ré-utilisation des outils d'analyse formelle de programmes informatiques juste en utilisant des connaissances sur la théorie des automates finis

Nationalité; Statut Matrimonial; Lieu de Naissance

Camerounais **(aucune autre nationalité / citoyenneté)**; Célibataire; Douala (Littoral, Cameroun)

Langages de Communication Professionnelle

- **Anglais, and Français** — Cameroun; Langue maternelle
- **Certificat de Langue Allemande "DSH"**, Très–Bien ("Sehr Gut") — Avril 2002 (Université de Dortmund, Dortmund, Allemagne)
- **Test de Langue Anglaise Américaine "TOEFL–IBT"**, "NOTE 89" — Juin 2009 (Hambourg, Hambourg, Allemagne)

Participation Aux Sociétés Savantes

- Présent: "FME": Formal Methods Europe; Auparavant: "ASQ": American Society for Quality; "acm": The Association for Computing Machinery.

Participations aux Conférences et Workshops Internationaux

- **PLDI** 2009; **IBM CASCON** 2010; **MITACS ONTARIO** 2012; **ICSE** 2012

Intérêts et Contributions de Recherche Professionnelle

- Liste De Mes Publications à "www.zenodo.org"
- **Progiciels de Gestion Intégré (PGI; *"ERP"* en anglais)**:
  1. **"YERITH–ERP–PGI–3.0"**; `https://www.github.com/yerothd/yerith-erp-3-0` — C^{++}; Qt 5; Oct. 2015 –
- **Test Scientifique du Logiciel** — `YRI_QVGE` , [***RT–Tester, MBT*** , VERIFIED.DE], ***JUNIT 4 Tutorial***
- **Vérification des programmes Informatiques** — CASE tools [`YRI_QVGE`], program analysis, formal methods

  A. ***Compilers; Verifiable DSL (Verifiable Domain-Specific Languages)***
     1. ***Mealy Automata description language;*** `https://www.github.com/yerothd/yr_sd_runtime_verif_lang` — `flex`, `bison`; Avr. 2023 –
     2. ***Ph.D. Dissertation: Temporal Property Verification in Plugin–based Software*** — Juin 2011 – Déc. 2011

  B. ***Program Code Analysis Verification***
     1. ***Runtime Mealy Automata C^{++} library;*** `https://www.github.com/yerothd/yr_sd_runtime_verif` — C^{++}; Qt 5; Juin 2022 –
     2. `YERITH_QVGE`***: A Framework for Verifying SQL Correctness Temporal Properties of [GUI] Software at Runtime***
        FOSS Code location: `https://www.github.com/yerothd/yr-db-runtime-verif` — C^{++}; `Qt-Dbus`; Juin 2022 –
     3. ***Dynamic Taint Analysis for PHP in Quercus;*** `https://www.github.com/xnoundou/xresin-taint-analysis` — `Java`; `Firebug`; Jan. 2013 – Avr. 2013
     4. ***Context–Sensitive Staged Static Taint Analysis for C using LLVM;*** `https://www.github.com/AmesianX/saint` — C^{++}; `LLVM`; Sep. 2012 – Oct. 2015

  C. ***Cyber–Security***
     1. ***SSL – Heartbleed – Software security vulnerability analysis;*** `https://www.github.com/AmesianX/saint` — C^{++}; `LLVM`; Sep. 2012 – Oct. 2015

Écoles d'Été et Quelques Stages Académiques

- **"1ère École d'été aux Méthodes de Vérifications Formelles"** – NSF, SRI International, Menlo College, Atherton, Californie, USA — ***May* 22, 2011 – *May* 27, 2011**
- **"Cours de Préparation à l'examen international *GMAT*"** – Université de Concordia, Montréal, Québec, Canada — ***Juin* 2007**
- **"Cours de Management en Ressource Humaines"** – Collège Integ, Douala, Littoral, Cameroun — Enseigné par "Dr. Jean Moubeb, Psy.D." — ***Jan.* 2020 – *June* 2020**
- **"Cours d'Anglais pour Études Supérieures** – Université du Québec à Montréal (UQAM), Montréal, Québec, Canada — ***Aug.* 2009**
- **"Cours de Programmation du Langage `C`"** – UY 1, CS Department, Yaoundé, Center, Cameroun — Enseigné par "M. Donfack" — ***Aug.* 2001 – *Sep.* 2001**

Chefferie Honorifique / Divers

- *ROI YERITH-NISSI (oint de jeovah–nissi au ciel, "Ésaïe 45" en SAINTE BIBLE)*
- Créateur et Professeur à l'Institut "YECEFOIQ" (YERITH-CENTRE DE FORMATION INFORMATIQUE)
- Permis de conduire de classe B (Cameroun et Canada)

Hobby

- Aïkido, Natation, Écoute de la chorale 'GEORGIA MASS CHOIR'.

Revue Littéraire en Informatique

- OOPSLA 2010

Outils de Développement et de Tests Analytiques

- Frameworks: DIFF, Patch, Txl, ANT, MAKE, Qt 5, SOOT, LLVM, flex, bison, Eclipse, Codeblocks
- Langages De Programmation pour Scripts: Cygwin, Python, sed, AWK, Bash
- Langages De Programmation, Outils de Débogages, et de Tests Analytiques: YRI_QVGE , SCALA, Java, C, C++, JUnit, DDD, Gcov, Valkyrie, IBM CharmNT
- Technologies Web: HTML5, CSS, PHP 8, Apache Tomcat, GWT (Google Web Toolkit), JSP
- Outils de Gestion Des Versions (SCM): Git, Mercurial (hg), SVN, IBM Rational ClearCase
- Systèmes D'Exploitations: MS Windows (XP, 98, 2000, 7, 10, 11), Debian Linux (8, 9, 10, 11, 12)

ENSEIGNEMENT universitaire (En tant que "doctorant Ph.D.", puis Prof.)

Université de Waterloo, Waterloo, Ontario, CANADA (OCTOBER 2009 – MARCH 2015)

- C++ Laboratory (ECE 250) | Compilers (ECE 351) | Computer Networks (ECE 428) | Foundations of Software Engineering (ECE 651) | Methods and Tools for Software Engineering (ECE 650) | Programming for Performance (ECE 459) | Software Testing, Quality Assurance and Maintenance (ECE 453 / SE 465).

Travaux Académiques Et Professionnels

- ***~~HABILITATION, équivalent •~~ Thèse: "Verifying SQL Correctness Temporal Properties of [GUI] Software at Runtime"*** — ***31 Décembre,* 2023** !
  Start–up Yerith R&D, Yaoundé, Centre, CAMEROUN
  Proposal: YERITH_QVGE*: A Framework for Verifying SQL Correctness Temporal Properties of [GUI] Software at Runtime*
  Cours (anglais): Software Verification with Program Analysis

- ***Recherche Post–Doctorale avec The University of Waterloo (ECE at WatForm), Ontario, CANADA*** — ***01 Septembre 2012 – 10 Mars* 2015**
  Université de Waterloo, Waterloo, Ontario, CANADA
  "Professeur [Prof] au sens étymologique anglo–saxon (expert docteur Ph.D. en Ingénierie informatique)" (recherche en analyse formelle et vérification.,) (Enseignement de l'ingénierie informatique (logiciel, etc.))
  "DISSERTATION de Doctorat–Ph.D.": ***Context–Sensitive Staged Static Taint Analysis for C using LLVM***
  Conseiller 1: Patrick Lam, PhD, PEng
  Conseiller 2: Prof. Sivoththaman Siva
  Conseiller 3: Dr. Vijay Ganesh

- ***Doctor of Engineering (**équivalent académique: **"PhD** in Electrical and Computer Engineering**")*** — ***01 Septembre 2009 – Décembre 20,* 2011** !
  Université de Waterloo, Waterloo, Ontario, CANADA
  Département de Génie Électrique & Génie Informatique (ece) – Grade **88%** [A+]
  Thèse (research proposal): ***Temporal Property Verification in Plugin–based Software***
  Sujets classifiés en Sciences Mathématiques: 68—Sciences Informatique
  Directeur de Thèse: Patrick Lam, PhD, PEng

- ***Travail Post–Master chez SIEMENS Medical Solutions – OCS, Erlangen, BAVIÈRE, ALLEMAGNE*** — ***01 Novembre 2007 – 31 Juillet* 2009**
  Développeur progiciel junior (SIEMENS linac beam radiation control protocol C++ development)
  Superviseurs: Dario Meraviglia et Gerhard Seng

- ***Diplom–Informatiker (**équivalent académique: **"Master (**in Computer Science**")*** — ***01 Octobre 2002 – 25 Mai* 2007**
  Université de Brême, Brême, Brême, ALLEMAGNE
  Master Thesis: ***Statistical test case generation for reactive systems***
  Directeur de Mémoire: Jan Peleska

Expérience Professionnelle (EXTRAIT)

- **Cyberix, Douala, LITTORAL, CAMEROUN** — ***Octobre* 2001 – *Novembre* 2001**
  Stagiaire Développeur Web (HTML, CSS), Dirigé par Mr. Foguem

- **DaimlerChrysler AG, Brême, Bremen, ALLEMAGNE** — ***Juin* 2002 – *Août* 2002**
  (Part–Time) STUDENT INDUSTRIAL CHAIN WORKER (Kfz–Schlosser)

- **ZMML, Université de Brême, Brême, Bremen, ALLEMAGNE** — ***Février* 2003 – *Mars* 2005**
  (Temps–Partiel) Développeur Web et D'applications VBA "RAD SERVER"
  Dirigé par PROF. DR. RER. POL. (pen.) KLAUS JÜRGEN BÖNKOST.

- **Gewete GmbH, Rellingen, Hambourg, ALLEMAGNE** — ***Mars* 2005 – *Avril* 2007**
  (Temps–Partiel) Développeur logiciel (Développement de servlets (Java) et de protocoles de communication)
  Dirigé par SVEN KAMRATH (et JENS MÖLLER).

- **AGBS, Université de Brême, Brême, Bremen, ALLEMAGNE** — ***Septembre* 2006 – *Février* 2007**
  (Temps–Partiel) Développeur progiciel (UML Statechart plugin pour Borland–Together)
  Dirigé par PROF. DR. RER. NAT. HABIL. JAN PELESKA.

- **YERITH R&D, Yaoundé, CENTRE, CAMEROUN** — ***Octobre* 2015 – Courant**
  Président Directeur Général (P.D.-G.); et à YECEFOIQ, Professeur de Sciences Informatique

1. **LA PAROLE (JEOVAH–NISSI dit JÉSUS-DE-NAZARETH) EXISTE avant DIEU:**
   RÉFÉRENCE BIBLIQUE: *Actes* 7 : 56 : ***Et il dit: Voici, je vois les cieux ouverts, et le Fils de l'homme debout à la droite de JEOVAH–NISSI–AU–CIEL.***
   RÉFÉRENCE BIBLIQUE: *Jean* 1 : ***Au commencement était la Parole, etc.***
   RÉFÉRENCE BIBLIQUE: *Jean* 1 : 14 : ***Et la parole a été faite chair, etc.***

2. **JEOVAH–NISSI (dit JÉSUS-DE-NAZARETH) ÉQUIVAUT À DIEU LE PÈRE TOUT PUISSANT:**
   RÉFÉRENCE BIBLIQUE: *Jean* 14 : 11 : ***Croyez-moi, je suis dans le Père, etc.***
   RÉFÉRENCE BIBLIQUE: *Ésaïe* 9 : 6 : ***Car un enfant nous est né, etc.***
   RÉFÉRENCE BIBLIQUE: *Actes* 9, 4–5 : ***Il tomba par terre, etc.***

3. **être "BORN–AGAIN CHRISTIAN":** être "chrétien né-de-nouveau":

⟶ ***SIGNIFIE N'AVOIR JAMAIS À ALLER DEVANT D'AUTRES SAUVEURS AUTRE QUE JÉSUS-DE-NAZARETH***

⟶ ***JÉSUS-DE-NAZARETH PEUT T'ENVOYER TE DÉLIVRER CHEZ CERTAINES AUTORITÉS EN SON NOM PUISSANT***

RÉFÉRENCES BIBLIQUES: *Apocalypse* 21 : 1–5 ; *JEAN* 3 : 2–3

RÉFÉRENCE BIBLIQUE: *Luc* 4:8 : ***Jésus lui répondit: etc.***

RÉFÉRENCE BIBLIQUE: *Lamentations* 4:1–5 : ***!, etc.***

RÉFÉRENCE BIBLIQUE: *Osée* 4:4–8 : ***!, etc.***

RÉFÉRENCES BIBLIQUES: *Job* 15 : 1–12 *2 récitations*; *Ésaïe* 9 : 5–6

RÉFÉRENCES BIBLIQUES: *Éphésiens* 6 : 10–18 : **Au reste, fortifiez-vous dans le Seigneur, etc.**;
Éphésiens 4 : 5–6 : **il y a un seul Seigneur, etc.**

⟶ ***SIGNIFIE AVOIR REÇU 1 BAPTÊME D'EAU ET 1 SEUL BAPTÊME DE SAINT-ESPRIT DE JÉSUS-DE-NAZARETH***

RÉFÉRENCE BIBLIQUE: *Jean* 3:5 : ***Jésus répondit: etc.***

⟶ ***TOUT GENOU FLÉCHIRA DEVANT JEOVAH–NISSI–AU–CIEL***

RÉFÉRENCE BIBLIQUE: *Ésaïe* 45 : 23–25 : ***Je le jure par moi-même, etc.***

RÉFÉRENCE BIBLIQUE: *Philippiens* 2, 9–11 : ***C'est pourquoi aussi Dieu l'a souverainement élevé, etc.***

⟶ ***L'ACTE COPULATIF REPRÉSENTE LE SEUL PÉCHÉ DUQUEL DÉCOULE TOUS LES AUTRES PÉCHÉS***

RÉFÉRENCE BIBLIQUE: *Genèse* 3 : 4–7 : ***Alors le serpent dit à la femme: etc.***

RÉFÉRENCE BIBLIQUE: *Romains* 1 : 26 : 28 : ***... ! etc.***

RÉFÉRENCE BIBLIQUE: *Lévitique* 20 : 13 : ***Si un homme couche avec un homme comme on couche avec une femme, etc.***

⟶ ***L'ACTE COPULATIF AUTORISÉ SEULEMENT DANS LE MARIAGE D'1 HOMME + D'1 FEMME***

RÉFÉRENCE BIBLIQUE (NJOUGEP–lele–carine–TCHANA–alias-edith-bangou): *Lamentations* 3 : 1–18 : ***! etc.***

RÉFÉRENCE BIBLIQUE (NJOUGEP–lele–carine–TCHANA–alias-edith-bangou): *Ézéchiel* 3:22–26 : ***! etc.***

RÉFÉRENCE BIBLIQUE (NJOUGEP–lele–carine–TCHANA–alias-edith-bangou): *Ézéchiel* 4:1–8 : ***! etc.***

RÉFÉRENCE BIBLIQUE: *Ésaïe* 56:3–5 : ***Que l'étranger qui s'attache à l'Eternel ne dise pas: etc.***

RÉFÉRENCE BIBLIQUE: 1 *Corinthiens* 7:38–39 : ***Ainsi, celui qui marie sa fille fait bien, etc.***

RÉFÉRENCE BIBLIQUE: 1 *Corinthiens* 7:1–9 : ***Pour ce qui concerne les choses dont vous m'avez écrit, etc.***

RÉFÉRENCE BIBLIQUE: *Deutéronome* 7:3–6 : ***Tu ne contracteras point de mariage avec ces peuples, etc.***

⟶ ***LA SORCELLERIE ET/OU MAGIE ARRIVENT SEULEMENT PAR LE PÉCHÉ***

RÉFÉRENCES BIBLIQUES: *Romains* 8 : 6–8

RÉFÉRENCE BIBLIQUE: *Genèse* 3 : 21–24 : ***L'Eternel Dieu fit à Adam et à sa femme des habits de peau, etc.***

RÉFÉRENCE BIBLIQUE: *Genèse* 3 : 4–7 : ***Alors le serpent dit à la femme: etc.***

⟶ ***NE RÉ-UTILISER AUCUN QUELCONQUE OBJET PHYSIQUE POUR SE PROTÉGER DU MAUVAIS ESPRIT***

RÉFÉRENCE BIBLIQUE: *Exode* 20 : 4 : ***Tu ne te feras point d'image taillée, etc.***

REMPLACER 'DIEU', 'ÉTERNEL', 'LE SEIGNEUR', 'ROI', par "JEOVAH–NISSI AU CIEL" pour la lecture.

4. **DÉLIVRANCE DE L'ENNEMI (LE LÉVIATHAN ('MBOMA' communément appelé au CAMEROUN) en est le plus dangereux):**

CONFESSER jeovah–nissi COMME unique seigneur et sauveur:
RÉFÉRENCES BIBLIQUES: *ZAKARIE* 14 : 1–6 ; *MATTHIEU* 12 : 46–50; *Psaumes* 31 ; *Nombres* 35 : 33–34 ; *Éphésiens* 1 : 18–23 : ; *Éphésiens* 6 : 10–18 :

RÉFÉRENCES BIBLIQUES: *Luc* 10 : 17 – 22 ; *Luc* 4 : 18

RÉFÉRENCE BIBLIQUE: 1 *Jean* 4 : 3–4 : ***et tout esprit qui ne confesse pas Jésus n'est pas de Dieu, etc.***

RÉFÉRENCE BIBLIQUE: *Marc* 16 : 14–20 : ***Enfin, il apparut aux onze, etc.***

RÉFÉRENCES BIBLIQUES: *Ésaïe* 54 : 11–17

RÉFÉRENCES BIBLIQUES: *Jérémie* 50 : 9–16

RÉFÉRENCE BIBLIQUE: *Psaumes* 140, 142 : ***..., etc.***

COMBATTRE la destruction de LA FILIATION PATERNELLE.:
RÉFÉRENCES BIBLIQUES: *Actes* 7 : 15–17 ; *Jérémie* 41 ***(Abondance matérielles);*** *Exode* 14 : 22–30 ; *ZAKARIE* 10 : 6–12

RÉFÉRENCES BIBLIQUES: *Ésaïe* 8 : 9–10 ; *Ésaïe* 54 : 11–17 ; *Ésaïe* 29 : 21–24 ; *Ésaïe* 30 : 1–5

RÉFÉRENCES BIBLIQUES: *"Ézéchiel* 27 : 32–35; *ET Ézéchiel* 28 : 1–10;" ; *Ézéchiel* 1 : 19–28 ; *Ézéchiel* 2 ;

COMBATTRE l'Injustice dans les tribunaux, etc.:
RÉFÉRENCES BIBLIQUES: *Exode* 14 : 22–30 ; *Ézéchiel* 14 : 12–23 ; *Ézéchiel* 15 : 1–3

RÉFÉRENCES BIBLIQUES: *Ésaïe* 8 : 9–10 ; *Ésaïe* 54 : 15–17 ; *Ésaïe* 29 : 20–24 ; *Ésaïe* 30 : 1–5

RÉFÉRENCES BIBLIQUES: *Jérémie* 50 : 9–16 ; *Jérémie* 52

RÉFÉRENCES BIBLIQUES: *Nombres* 35 : 33–34 ; *Psaumes* 75 ; *Psaumes* 82

COMBATTRE les images de nuit:
RÉFÉRENCES BIBLIQUES: *Exode* 14 : 22–30 ; *Ésaïe* 44 : 21–28 ;

RÉFÉRENCE BIBLIQUE: *Deutéronome* 13 : 1–3 : ***S'il s'élève au milieu de toi un prophète ou un songeur etc.***

RÉFÉRENCE BIBLIQUE: *Jérémie* 14 : 14 : ***Et l'Eternel me dit: etc.***

COMBATTRE le léviathan [AUSSI l'injustice d'1 gouvernement des hommes du monde !]:
RÉFÉRENCES BIBLIQUES: *Psaumes* 74 : 13–14 ; *Psaumes* 104 : 25–26

RÉFÉRENCES BIBLIQUES: *Exode* 14 : 22–30 ; *Éphésiens* 6 : 10–18 : ; *Ésaïe* 11 : 9–! ; *Ésaïe* 8 : 9–10 ; *Ésaïe* 54 : 11–17 ; *Ésaïe* 29 : 21–24 ; *Ésaïe* 30 : 1–5

RÉFÉRENCE BIBLIQUE: *Psaumes* 22, 140, 142, 144, 145, 146, 143 : ***Au chef des chantres. etc.***

RÉFÉRENCES BIBLIQUES: *Nombres* 35 : 33–34 ; *Jérémie* 50 : 9–16 ; *Jérémie* 52

COMBATTRE satan (AUSSI appelé LE diable):
RÉFÉRENCES BIBLIQUES: *Exode* 14 : 22–30 ; *Éphésiens* 6 : 10–18 : ; *Ésaïe* 11 : 9–! ; *Ésaïe* 8 : 9–10 ; *Ésaïe* 54 : 11–17

RÉFÉRENCES BIBLIQUES: *MATTHIEU* 3 : 16 ; *"Ésaïe* 46 : 10–13; *ET Ésaïe* 47 : 1–5;" ***(DESTRUCTION TOTALE)***

RÉFÉRENCES BIBLIQUES: *"Proverbes* 29 : 8–27; *ET Proverbes* 30 : 1–2;" ***(Abondance matérielle immédiate)***

RÉFÉRENCES BIBLIQUES: *Jérémie* 50 : 9–16 ; *Jérémie* 52 *Jérémie* 50 : 9–16 ; *Jérémie* 52

RÉFÉRENCES BIBLIQUES: *Nombres* 35 : 33–34 ; *Psaumes* 22 ; *Psaumes* 35 ;

RÉFÉRENCES BIBLIQUES: *Apocalypse* 3 : 8–9 ; *Apocalypse* 12 : 9–12

Ouvrir ses portes célestes !!!:
RÉFÉRENCES BIBLIQUES: *Ésaïe* 45 ; *Apocalypse* 3 : 7–9

REMPLACER 'DIEU', 'ÉTERNEL', 'LE SEIGNEUR', 'ROI', par "JEOVAH–NISSI AU CIEL" pour la lecture.

⋆ ⋆ ⋆ ⋆ ⋆ ⋆ ⋆ ⋆ **COMBATTRE les sorcelleries; JEZABEL.** ⋆ ⋆ ⋆ ⋆ ⋆ ⋆ ⋆ ⋆:

RÉFÉRENCES BIBLIQUES: *Psaumes* 144 : 14 *9 récitations*; *Ésaïe* 49 : 7–11 *4 récitations*; *Ésaïe* 44 : 25–28 *2 récitations*; *Psaumes* 140 *5 récitations*

RÉFÉRENCES BIBLIQUES: *JÉRÉMIE* 31 : 15–20 ; *Job* 9 : 1–5 *3 récitations*; *JEAN* 1 : 1–18 *2 récitations*

RÉFÉRENCES BIBLIQUES: *Ézéchiel* 22 : 17–21 *2 récitations*; *JÉRÉMIE* 31 : 15–20 ; *NÉHÉMIE* 4

RÉFÉRENCES BIBLIQUES: *Ézéchiel* 6 : 1–7 ; *Ézéchiel* 12 ; *"Proverbes* 2 : 9–22; *ET Proverbes* 3 : 1–12;"

RÉFÉRENCES BIBLIQUES: *ZAKARIE* 10 : 6–12 *9 récitations*; *"Ézéchiel* 27 : 32–36; *ET Ézéchiel* 28 : 1–10;"

RÉFÉRENCES BIBLIQUES: *ZAKARIE* 14 : 1–6 ; *Ézéchiel* 14 : 12–23 ; *Ézéchiel* 15 : 1–3

RÉFÉRENCES BIBLIQUES: *Néhémie* 9 : 19–26 ; *Lamentations* 3 : 1–18 ; *Romains* 8

COMBATTRE l'antéchrist:

RÉFÉRENCE BIBLIQUE: 2 *Thessaloniciens* 2 : 8–12 : ***Et alors paraîtra l'impie, etc.***

RÉFÉRENCES BIBLIQUES: *Ésaïe* 54 : 11–17 ; *"Jérémie* 16 : 19–21; *ET Jérémie* 17 : 1–5;"

RÉFÉRENCE BIBLIQUE: *Lamentations* 4:1–5 : ***!, etc.***

RÉFÉRENCE BIBLIQUE: *Osée* 4:4–8 : ***!, etc.***

RÉFÉRENCES BIBLIQUES: *Daniel* 8 : 25 ; *Daniel* 7 : 26 – 27

CONTRE les esprits DE prière CHRÉTIENNE:

RÉFÉRENCE BIBLIQUE: *Osée* 4:4–8 : ***!, etc.***

CONTRE le vol des biens matériels:

RÉFÉRENCES BIBLIQUES: *Jérémie* 41 ; *Jérémie* 52

RÉFÉRENCES BIBLIQUES: *Néhémie* 9 : 19–26

RÉFÉRENCES BIBLIQUES: *Ézéchiel* 12 : 1–7 ; *Ésaïe* 14 ; *Ésaïe* 13 ; *Ésaïe* 43 : 22–28 ; *Ésaïe* 8 : 9–10 ; *Ésaïe* 44 : 1–4

COMBATTRE les esprits impurs (AUSSI RÉCLAMER SES justices.):

RÉFÉRENCES BIBLIQUES: *Jérémie* 52

RÉFÉRENCES BIBLIQUES: *Psaumes* 77 ; *Psaumes* 82 ; *Psaumes* 75

COMBATTRE les esprits impurs (AVOIR 1 bien-être corporel !):

RÉFÉRENCES BIBLIQUES: 2 *Rois* 2 : 18–25

RÉFÉRENCES BIBLIQUES: *Jérémie* 38 : 14–28 + *Jérémie* 39 ; *Psaumes* 77 ; *Psaumes* 82 ; *Psaumes* 75

RÉFÉRENCES BIBLIQUES: *MATTHIEU* 3 : 16–17; *MATTHIEU* 5 : 9–16; *Ésaïe* 44 : 21–28 ;

COMBATTRE les esprits impurs (AUSSI RÉCLAMER SES BIENS FINANCIERS et autres):

RÉFÉRENCES BIBLIQUES: *Jérémie* 52

RÉFÉRENCES BIBLIQUES: *Ecclésiastes* 5 ; *Ecclésiastes* 6

RÉFÉRENCE BIBLIQUE: *Lamentations* 4:1–5 : ***!, etc.***

RÉFÉRENCE BIBLIQUE: *Osée* 4:4–8 : ***!, etc.***

RÉFÉRENCES BIBLIQUES: *Apocalypse* 22 : 12–21

RÉFÉRENCE BIBLIQUE: *Marc* 9 : 25–27 : ***Jésus, voyant accourir la foule, menaça l'esprit impur, etc.***

RÉFÉRENCES BIBLIQUES: *Ézéchiel* 6 : 1–7 ; *Lévitique* 26 : 30–33 ; *Lévitique* 20 : 22–27

RÉFÉRENCE BIBLIQUE: *Sophonie* 1 : ***La parole de l'Éternel qui fut adressée à Sophonie, etc.***

RÉFÉRENCES BIBLIQUES: *Ésaïe* 29 : 7–13 ; *Ésaïe* 27 ; *Ésaïe* 45 ; *Ésaïe* 54 : 15–17 *Ésaïe* 49 : 7 – 15 ; *Ésaïe* 63 ; *Ésaïe* 62

RÉFÉRENCES BIBLIQUES: *Proverbes* 12 : 16 – 28 ; *Proverbes* 13 : 1 – 11

RÉFÉRENCES BIBLIQUES: *Psaumes* 18 : 32 – 50 ; *Psaumes* 17

4 RÉFLEXIONS SUR JEOVAH–NISSI (AUSSI DIT JÉSUS-DE-NAZARETH) – PRIÈRE DOMINICALE

1. JÉSUS AU CIEL.
   NOTRE PÈRE JÉSUS AU CIEL,
   QUE TON NOM SOIT SANCTIFIÉ,
   QUE TON RÈGNE VIENNE,
   QUE TA VOLONTÉ SOIT FAITES SUR LA TERRE COMME AU CIEL.

   DONNE NOUS AUJOURD'HUI NOTRE PAIN DE CE JOUR.
   PARDONNE NOUS NOS PÉCHÉS COMME NOUS PARDONNONS À CEUX QUI NOUS ONT OFFENSÉS.

   NE NOUS SOUMET POINT À LA TENTATION,
   MAIS DÉLIVRE NOUS DU PÉCHÉ,

   CAR C'EST À TOI QU'APPARTIENT
   LE RÈGNE,
   LA PUISSANCE ET LA GLOIRE.

5 RÉFLEXIONS SUR JEOVAH–NISSI (AUSSI DIT JÉSUS-DE-NAZARETH) – chant 1

1. L'AMOUR DE JÉSUS, EST SI MERVEILLEUX
   L'AMOUR DE JÉSUS, EST SI MERVEILLEUX
   L'AMOUR DE JÉSUS, EST SI MERVEILLEUX

   OOH QUEL AMOUR,
   COMMENT IL EST ?
   IL EST SI HAUT QU'ON NE PEUT LE RÉHAUSSER
   IL EST SI BAS QU'ON NE PEUT LE RABAISSER
   IL EST SI LARGE QU'ON NE PEUT LE CONTOURNER

   OOH QUEL AMOUR !

6 RÉFLEXIONS SUR JEOVAH–NISSI (AUSSI DIT JÉSUS-DE-NAZARETH) – chant 2

1. JÉSUS NOUS A AIMÉ COMME ON A JAMAIS AIMÉ
   IL (jésus-de-nazareth, jeovah–nissi) NOUS GUIDE CHAQUE JOUR
   COMME 1 ÉTOILE DANS LA NUIT.

   QUAND NOUS PARTAGEONS LE PAIN,
   IL (jésus-de-nazareth, jeovah–nissi) NOUS DONNE SON AMOUR
   C'EST LE PAIN DE L'AMITIÉ LE PAIN DE JÉSUS.

   C'EST MON CORPS, PRENEZ ET MANGEZ; C'EST MON SANG, PRENEZ ET BUVEZ;
   CAR JE SUIS LA VIE, et je suis l'amour, Ô JÉSUS EMPORTE NOUS DANS TON AMOUR

2. JÉSUS NOUS A AIMÉ COMME ON A JAMAIS AIMÉ
   SON AMOUR (jésus-de-nazareth, jeovah–nissi) FUT SI GRAND QU'IL EN MOURUT SUR 1 CROIX
   SON AMOUR (jésus-de-nazareth, jeovah–nissi) ÉTAIT SI FORT, QU'IL SORTI LIBRE ET VAINQUEUR
   C'EST LE PAIN DE L'AMITIÉ LE PAIN DE JÉSUS.

1. **2002**: **HENRI BERTRAND NGATCHOU VIOLENTE ma sœur cadette INGRID TCHITCHUI NOUMBISSI (epse chandriand teuntchou noumeni) AU POINT DE LA LAISSER POUR MORTE, comme elle même me l'avait reportée.**

   J'ÉTAIS ALORS QUITTÉ DU CAMEROUN POUR POURSUIVRE MES ÉTUDES D'INGÉNIEUR DE CONCEPTION EN INFORMATIQUE A L'UNIVERSITÉ DE BREMEN EN ALLEMAGNE.

2. **2005**: **MARIE HAKOUA NOUNDOU (epse moise tchingwa) ET SON FRÈRE AÎNÉ VICTOR KOLIOU NOUNDOU (6 77 96 07 47) reçoivent des avancements dans la fonction publique grâce à de la corruption chez MADAME LAURENCE epse feu robert.**

   MADAME LAURENCE, dont j'ignore le nom de famille ou de son époux, est la sœur de JULIENNE NKWOUANO (6 70 77 67 97). Elle (LAURENCE) est en service au ministère des éducations de base au Cameroun.

3. **2007**: **CHARLES NTETA NOUNDOU violente sexuellement sa cousine paternelle, et mineure d'âge, ANGE–LAURE TEUMA, fille de son frère aîné consanguin MOÏSE YAMKAM, de regretté mémoire.**

4. **2006**: **- PROF. DR. RER. NAT. HABIL. jan peleska, MON DIRECTEUR DE THÈSE DE MASTER 2 recherche en génie informatique de l'université de BRÊME (ÉTAT DE BREMEN) EN ALLEMAGNE, m'insulte copieusement en public pendant 1 séminaire parce qu'il ne comprends pas ma petite présentation.**

   C'EST POUR CECI QUE J'AI ABANDONNÉ SA PROPOSITION DE POURSUIVRE 1 THÈSE DE DOCTORAT PH.D SOUS SA DIRECTION, et ai préféré aller à SIEMENS HEALTHINEERS travailler en tant que développeur d'applications JUNIOR.

5. **2010**: **ANGELA TCHAMOU SHANDA epse fernand jr wolfgang OWONA SE RENDS EN RÉPUBLIQUE CENTRAFRICAINE POUR ACHETER 1 DIPLÔME DE FIN D'ÉTUDES SECONDAIRES (BACCALAURÉAT A4).**

6. **2011**: **Jules Nteta Noundou essaye de me me faire empoisonner dans 1 restaurant au carrefour Warda à Yaoundé.**

7. **2011**: CHIWANZA KASANGA, la fille de JOHN KASANGA (Zambie) m'insulte copieusement après m'avoir invitée à lui rendre 1 visite dans son quartier estudiantin à Waterloo (on, CANADA).

   Je reconnais Chiwanza comme 1 étudiante chrétienne avec qui j'ai le privilège de participer au groupe biblique des étudiants africains de l'université de WATERLOO (on, CANADA).

   Je reconnais avoir accosté Chiwanza dans le bus de la ligne numéro 7 pendant ma 2ème semaine comme étudiant au doctorat ph.d du département de génie électrique et informatique.

   CHIWANZA, ne me reconnaissant plus comme 1 chrétien né-de-nouveau, m'invite donc à participer au groupe biblique de notre université commune. CHIWANZA est à cette époque 1 étudiante de 2ème année en économie de notre université commune.

8. ***Janvier* 2012**: **Je fais connaissance avec Audrey Nguétie Tchamga par l'entremise de ma génitrice Rose Sangnou. Audrey vient s'installer chez moi lors de mon séjour de travail à MARKHAM (Toronto, ON, Canada), à l'entreprise IBM comme stagiaire doctorant d'État es SCIENCES, SANS QUE JE NE LE LUI DEMANDE.**

   Audrey est du village BAKASSA. JE FAIS PARTIR AUDREY NGUÉTIE TCHAMGA DE CHEZ MOI APRÈS 1 MOIS DE VIE COMMUNE, pour cause d'incompatibilité de vie.

9. ***DÉCEMBRE* 2013**: **APRÈS 1 séparation de AUDREY NGUÉTIE TCHAMGA (père géniteur Maurice Nguétie de MÈRE babouantou et de père BAKASSA), je me fais percuter violement par 1 blond canadien propriétaire d'1 MUSTAND AMÉRICAINE BLEUE lorsque j'effectue 1 virage à gauche à bord de ma TOYOTA COROLLA LE (alors immatriculée "BLAB 045" à Waterloo, Ontario, Canada).**

   JE REVENAIS ALORS D'1 voyage pour des congés de Noel de chez l'oncle maternel THÉODORE WANDJI NGONGANG, alors domicilié au '5850 RUE SOUART, Appartement 7, à MONTRÉAL'.

   JE n'ai pu faire rencontrer Audrey Nguétie Tchamga à L'ONCLE THÉODORE WANDJI NGONGANG en JANVIER 2012, du fait de sa très grande hostilité envers le nom NGUÉTIE TCHAMGA AUDREY.

   Mon véhicule est percuté à Toronto (ETOBICOKE, ON, CANADA), juste après que j'eu déposé JUDITH NGALEU (je connais Judith par l'entremise de YVES FRANCIS Mbiele Kamga), qui est 1 nièce maternelle du SÉCRETAIRE GÉNÉRAL DE L'UNIVERSITÉ DES MONTAGNES À bagangté, MONSIEUR HUGUES NTOMANI TIAKO.

   PAR RICOCHET, hugues ntomani tiako, avec qui je n'avais plus eu de rapports d'aucun ordre depuis le décès de mon feu père THÉODORE NOUMBISSI; EST L'ANCIEN ET UNIQUE PARTENAIRE en affaire de mon feu père au Cameroun des années 1989–1991.

   HUGUES NTOMANI TIAKO et feu THÉDORE NOUMBISSI se sont rencontrés lorsque mon feu père THÉODORE NOUMBISSI fréquentait L'IAI (INSTITUT AFRICAIN D'INFORMATIQUE) – GABON; en tant que boursier de l'état CAMEROUNAIS !

10. **2014: Au moment d'effectuer mon 1er voyage pour le Cameroun, BERCEAU DE MES ANCÊTRES, après avoir acquéris 1 citoyenneté canadienne, COMMISSAIRE SPÉCIAL CAMEROUNAIS roger djossi (HÔTEL TONTANA À DOUALA–deido), par l'entremise de HENRI BERTRAND NGATCHOU, se propose de signer 1 acte aux frontières du CAMEROUN, aux fins que je puisse y entrer SANS AVOIR À ALLER FAIRE 1 demande de visa à l'ambassade du Cameroun au Canada, à OTTAWA.**

    JE N'AVAIS pu participer à 1 conférence–symposium PROGRAMMING LANGUAGE DESIGN AND IMPLEMENTATION (PLDI) en ITALIE, bien que ayant gagné 1 bourse de déplacement et d'hébergement PUISQUE JE NE POUVAIS PLUS en 5 jours obtenir 1 visa pour l'ITALIE, ern tant que citoyen natif camerounais !

    LAURENT TCHANDEU, 1 oncle paternel et 3ÈME conseiller à l'ambassade du Cameroun à Paris d'antant, lorsque j'étais travailleur qualifié en RFA (république fédérale d'allemagne); M'A CONSEILLÉ DE RENONCER MOMENTANÉMENT À LA CITOYENNETÉ CAMEROUNAISE, aux fins de faire avancer ma carrière professionnelle. C'estz donc ainsi que j'acquiert temporairement 1 citoyenneté canadienne.

11. **2014:** JOSUÉ NKWOUANO ET ROSE SANGNOU ME FONT ARRÊTER DE FORCE PAR 1 ESCOUADE DE POLICIERS D'1 commissariat de bonabéri pour me faire emmener par taxi de force chez le feu psychiatre retraité Dr. JOHN. J'étais alors en congé de l'université de waterloo en ontario au canada pour 3 semaines au cameroun.

12. **2014: LA POLICE DE TORONTO AU CANADA ONTARIEN ME FAIT ARRÊTER ILLÉGALEMENT POUR CAUSE DE "threspass" PAR L'OFFICIER D'ORIGINE ASIATIQUE "YOUNG".**

    JE GAGNE LE PROCÈS QUI S'EN SUIT EN 2018 AUPRÈS DE LA COUR DE JUSTICE PRINCIPALE DE LA VILLE DE TORONTO EN ONTARIO AU CANADA.

    JE NE REÇOIS AUCUN DÉDOMMAGEMENT FINANCIER OU MATÉRIEL DES PERTES FINANCIÈRES QUI S'EN SONT SUIVIS.

13. 10 ***Mars*** **2015: DR. PATRICK LAM**, mon directeur de thèse de l'université de Waterloo (Ontario, Canada) annule, CONTRE TOUTE LOI DU DÉPARTEMENT DE GÉNIE ÉLECTRIQUE ET DU GÉNIE INFORMATIQUE, mon séminaire de recherche "PH.D. RESEARCH SEMINAR".

    DR. PATRICK LAM, PH.D. (MIT, BOSTON, MA, USA) A CURIEUSEMENT retiré mon nom de ses étudiants.

    DR. PATRICK LAM, PH.D. (MIT, BOSTON, MA, USA) A CURIEUSEMENT OMIS DES ANNÉES DE 2009 À 2015 passées comme "Director of the Software Engineering Program" de l'université de waterloo en ontario au Canada. J'ai été son premier étudiant candidat au Ph.D..

14. **2015:** THÉODORE WANDJI NGONGANG (**ngongangtietie@yahoo.ca**) refuse de me rembourser 1 500 EUROS (1 MILLION DE FRANCS CFA) que je lui ai emprunté en 2005, LORSQU'IL DÉMÉNAGEAIT DE L'ALLEMAGNE POUR LE canada.

15. **2015:** DR. LAURENT TCHANDEU et ROSE SANGNOU me font arrêter de force par 1 escouade de 6 sapeurs–pompiers devant mon domicile de location à YAOUNDÉ–AHALA–NSIMBOK pour me faire interner de force en psychiatrie de **L'HÔPITAL JAMÔT**.

17. **2015: Je suis recruté pour 1 emploi D'ENSEIGNANT–CHERCHEUR À L'UNIVERSITÉ DE L'EXCELLENCE (`https://pkfinstitute.com`) par le DR. PAUL FOKAM KAMMOGNE en personne, accompagné de M. FONKOUA LE PCA (président du conseil d'administration) DE LA BANQUE AFRILAND FIRST BANK (`https://www.afrilandfirstbank.com`).**

    CÉLESTIN (actuel PRÉSIDENT DIRECTEUR GÉNÉRAL (P.D.-G.)) DE LA BANQUE AFRILAND FIRST BANK est passé juste avant mes entretiens avec le PROF. NJINE THOMAS (doyen d'antan de la faculté des sciences de L'UNIVERSITÉ DE L'EXCELLENCE), chez ma tante maternelle DJATIÉ DOROTHÉE SHANDA (epse pr. jean-claude shanda-tonme) POUR SE RENDRE COMPTE DE MA VIE PRIVÉE ET FAMILIÈRE.

    APRÈS 2 JOURS DE TRAVAIL, le DR. PAUL FOKAM KAMMOGNE vient personnellement au centre de recherche de l'université de l'excellence à EMANA-YAOUNDÉ, me débaucher, SOIT-DISANT QU'IL N'Y AURAIT plus de financements pour les nouveaux recrutements; IL DEMANDE ALORS AU PROF. NJINE THOMAS, présent sur les lieux, DE ME FAIRE PAYER MES DROITS DE LICENCIEMENT.

    C'est lors de mon retour provisoire au Cameroun le 15 AVRIL 2015, que je rencontre DR.-ING. JUSTIN BOMDA (secrétaire exécutif du groupe financier ADAF–MC[2] D'ANTAN) DANS 1 vol commercial de BRUSSELS AIRLINES; je me présente à lui, EN PRÉSENCE DE L'ONCLE PATERNEL laurent tchandeu, et il me fait savoir que je suis qualifié pour le centre de recherche de l'université de l'excellence à emana-yaoundé !

18. **2016:** La brigade de gendarmerie de AHALA essaye de me faire pression aux fins que je passe aux aveux que je suis anormal mentalement.

19. **2016: JEAN-DE-DIEU ONANA REPRÉSENTANT MON BAILLEUR** PIERRE MARCELLIN EMANA NKOA ENTRE DE FORCE CHEZ MOI, avec l'aide de 3 voisins béti–bulu, ET ils me violentent. IL REFUSE LORS DE MA SORTIE D'APPARTEMENT DE ME DÉBOURSER 60 000 FCFA DE CAUTION DE 1 MOIS DE LOYER; et 150 000 FCFA d'avance pour rachat de meubles; il m'a refusé de repartir avec ces meubles ou 1 partie de ces meubles.

    Il m'a reprécisé avoir le long bras, et que je ne pourrai plus récupérer ce qui me revient de droit.

20. **2017:** JE rencontre le DR. AMOUGOU ABATHE ABATHE joseph. IL est au comité central du R.D.P.C de la ville de Mbalmayo et AUSSI directeur de l'observatoire nationale de climatologie.

21. **2017: 1 POLICIER VÉREUX DU COMMISSARIAT DU 19ÈME ARRONDISSEMENT DE LA VILLE DE YAOUNDÉ ME RAMÈNE de force A JAMÔT ALORS QUE J'Y SUIS SORTI, après y être incarcéré 1 SEMAINE PAR SED "Dr. SIMÉON NOMO, Psy.D.".**

22. **2017:** DR. LAURENT TCHANDEU (**LTCHANDEU@yahoo.fr**) et ROSE SANGNOU me font arrêter de force par le "Dr. SIMÉON NOMO, Psy.D." avec 3 sapeurs–pompiers devant mon domicile privé (bâti par mes soins en **2013 – 2014** à YAOUNDÉ–AHALA–NSIMBOK pour me faire interner de force 2 mois en psychiatrie de L'HÔPITAL JAMÔT, PAR LE "Dr. Laure Menguéné Mvindi, MD" sous commandement forcé du SED "Dr. SIMÉON NOMO, Psy.D.".

    CES SAPEURS-POMPIERS SONT ENTRÉS DANS MON DOMICILE PAR EFFRACTION puisque je ne leur ai pas permis l'entrée, pour m'arrêter de force.

23. **2017: INGRID TCHITCHUI NOUMBISSI (epse chandriand teuntchou noumeni)** marche au Cameroun avec 1 fausse carte nationale d'identité camerounaise, puisque elle est de nationalité allemande depuis plus de 3 ans.

24. **2017:** Je me rends pour 1 interrogatoire au commissariat du 10ème arrondissement de Douala. LA PLAIGNANTE SERAIT **ROSE SANGNOU et INGRID TCHITCHUI NOUMBISSI (epse chandriand teuntchou noumeni)**.

    SANS ME REDONNER AUCUNE PREUVE DE QUOI QUE CE SOIT, **L'OFFICIER 3 étoiles d'or PAUL TCHOUO me fait embarquer pour le cabanon (prison pour fou) de l'hôpital laquintinie du médecin psychiatre Christian Eyoum.**

    JE NE SUIS PLUS CERTAINS QU'IL Y'AVAIT MÊME EU 1 PLAINTE DÉPOSÉE CONTRE MA PERSONNE.

25. ***Septembre* 2017: DJEUYOU POKEM érick**, à qui j'avais fait confiance de réceptionner des courriers adressés à ma personne lorsque je serai au Cameroun pour 2 ans, refuse de me remettre tout courrier venu chez lui à montréal, INCLUANT DES COURRIERS DE BANQUE ET DE L'UNIVERSITÉ DE WATERLOO (ON, CANADA), mon ancien employeur.

24. **2017**: **PROF. DR. PEARL SULLIVAN**, "DEAN OF ENGINEERING" DE L'UNIVERSITÉ DE WATERLOO (ONTARIO, CANADA), d'origine asiatique, CONTRE TOUTE LOI DU DÉPARTEMENT DE GÉNIE ÉLECTRIQUE ET DU GÉNIE INFORMATIQUE, me fait arrêter par 1 policier d'origine anglaise de la police de l'université (https://uwaterloo.ca/campus-wellness/services/uw-police).

    FEU MADAME **PEARL SULLIVAN** M'AVAIT ÉTÉ RECOMMANDE PAR 1 POLICIER NOIR DE LA POLICE DE L'UNIVERSITÉ DE WATERLOO, AUX FINS DE CITER ET PLAIDER AUPRÈS DE **PATRICK LAM** POUR QU'IL REMETTE MON NOM SUR près de 7 publications dans des journaux et conférences de niveau international, SUR DES ARTICLES OU J'AI AUSSI PARTICIPÉ AU DÉVELOPPEMENT DU PROGRAMME INFORMATIQUE et/ou DES CONTRIBUTIONS SCIENTIFIQUES ACADÉMIQUES.

    JE GAGNE CE PROCÈS, puisque j'ai immédiatement refusé de signer 1 **document qui m'interdisait de revenir à l'université de waterloo (ontario, canada) sans aucune raisons viables, AUPRÈS DE LA COUR DE JUSTICE DE KITCHENER–WATERLOO EN** 2018.

25. **2017: JE ME COUCHE EN PLEINE ROUTE donnant accès à l'université de waterloo, EN SIGNE DE PROTESTATION PACIFIQUE CONTRE LA POLICE DE L'UNIVERSITÉ DE WATERLOO (ON, canada).**

    JE DÉNONCE ainsi la course–poursuite que je viens de subir de la part de 4 policiers en vue de me sodomiser sur le campus de l'université de waterloo, ontario, Canada (Main road).

    1 ***véhicule du "GRT hospital" ("grand river transit hospital") vient me remettre sur pied pour me conduire en psychiatrie forcée or j'ai plaidé la protestation pacifique en milieu de route contre des agressions de*** 5 ***policiers de l'université de waterloo, ontario, canada; Ces policiers sont venus à ma rencontre sur demande du vice–doyen d'antan "JEFF ... CASELLO"; C'est aussi ce même idiot d'italien d'origine qui a paraphé de sa signature écrite à main mon relevé de notes officiel de Mon parcours universitaire a WATERLOO.***

    J'étais au sécrétariat de l'université pour me plaindre de la non réception de mes plaintes pour Plagiat contre "DR. Patrick LAM, ph.d.".

    LE MÉDECIN PSYCHIATRE raciste envers l'africain NOIRE qui m'a fait ma première audition avait mentionnée que je baliverne (raconter des chose inintelligible); Je me suis rendu a ma sortie au palais de justice de la ville de "waterloo–Kitchener" pour déposer 1 plainte en bonne et due forme SANS SUCCÈS.

    ON m'a plutôt menacé de me faire sortir par la sodomie d'1 policière de race blonde !!!

    Le salaud de médecin psy qui m'a fait le rapport pour que je sorte en me précisant qu'ils n'ont rien Observé de mauvais ou de incohérent après 6 jours de résidence forcées; A voulu garder 1 contact dans ma vie privée.

    Sûrement pour déclencher 1 procédure de destruction physique sur moi Puisque j'ai des éléments de preuve irréfutables que L'IMMIGRATION CANADIENNE est 1 mécanisme officiel de destruction mondiale de l'Élite intellectuelle AFRICAINE noire !!!

26. **2018: LA POLICE DE WATERLOO ET DE KITCHENER me met** 1 **masque de sodomie que l'on voit dans les films d'antan, juste à ma sortie du véhicule de police, DANS L'ANCEINTE DE LA BRIGADE DE POLICE.**

    je fais le raide mort et ils (5 **policiers blancs dont** 1 **très gros blond) ne peuvent me sodomiser !**

    LE CANADA est 1 **pays où des policiers blonds sont très atroces envers des immigrés d'origine africaine, incluant des noirs des îles caribéennes**

    DANS L'ENCEINTE DU palais de justice, au sous-sol, j'aperçois 1 **femme noire des caraïbes dans** 1 **très mauvaise posture; menottée !**

27. **2018: GEORGE KAUFMAN,** 1 **blond, mon voisin de chambre dans** 1 **immeuble locatif de la cité de waterloo (ontario, canada), essaye d'entrer dans ma chambre pour m'assassiner avec** 1 **marteau.**

    JE CONTACTÉ LA POLICE DE LA VILLE DE WATERLOO EN ONTARIO AU CANADA PAR TÉLÉPHONE PORTABLE; LORSQUE LA 1ÈRE ESCOUADE DE 2 **POLICIERS BLANCS ARRIVENT EN VÉHICULE, george kaufman essaye au rez-de-chaussée d'aussi appeler la police.** 1 **2ÈME VÉHICULE DE POLICE ARRIVE, et** 1 **POLICIÈRE de race blanche décide de m'arrêter.**

    LORS DU PRÉLIMINAIRE DEVANT LE JUGE DE PAIX, 1 **femme de race blanche, pour ma libération sous-caution, JE renonce immédiatement à la citoyenneté canadienne; ELLE APPROUVE ET REPRÉCISE QUE LES POURPARLERS NE SONT PAS automatiquement retransférés au haut–commissariat du cameroun à ottawa (on, Canada); puisque JE RECOUVRE AUTOMATIQUEMENT MA CITOYENNETÉ camerounaise d'après les lois de la république du cameroun.**

    JE SORS ALORS DU CANADA EN *Septembre* 2018 POUR LA RÉPUBLIQUE FÉDÉRALE D'ALLEMAGNE, ET ENSUITE POUR le berceau de mes ancêtres le Cameroun.

    DONC CE PROCÈS EST PENDANT AUPRÈS DE LA COUR DE JUSTICE DE KITCHENER–WATERLOO (ON, CANADA) DEPUIS PRÈS DE 5 ANS MAINTENANT.

    CAR JE NE SAIS PLUS POURQUOI J'AI ÉTÉ INCULPÉ par cette policière de race blanche.

28. **2018: MON VOISIN DE CHAMBRE, dr. eric-brefo mensah, de citoyenneté canadienne et d'origine ghanéenne, ESSAIE DE M'INVITER À DISCUTER NÉGATIVEMENT DE SON confrère ghanéen DR. SANDY BEIDU; étant chrétien authentique, qui ne fait pas dans la calomnie et du mensonge, JE L'ESQUIVE; pensant être plus imposant physiquement que moi, il fait allusion à l'usage de sa force physique.**

    SANS MÊME ME FÂCHER, je lui démontre 1 **posture qui est très dangereuse pour son égôt s'il essaye quoi que ce soit contre ma personne physique !**

29. **2018: J'EU CONNAISSANCE PAR rose sangnou ma génitrice QUE** 1 **camarade de DEMO NOUNDOU david essaye de la faire voyager pour le canada ontarien aux fins de venir me sortir du canada PARCE QUE JE SERAIS ANORMAL MENTALEMENT.**

30. ***Août* 2018**: DJEUYOU POKEM érick ME FAIT PENSER QUE JE SUIS RECHERCHÉ POUR FOLIE par ma génitrice ROSE SANGNOU alors que je suis en escale chez le cousin de mon feu papa HENRI KÉWOU de montréal.

31. ***Septembre* 2018**: **ROSE SANGNOU MA GÉNITRICE et son frère cadet HENRI BERTRAND NGATCHOU VIENNENT me chercher en fracas a l'aéroport de Douala alors que je suis en transit pour yaoundé par autobus.**

32. ***Septembre* 2018**: **ROSE SANGNOU et son frère cadet HENRI BERTRAND NGATCHOU me font arrêter par le commissariat de police du 9ÈME arrondissement de la ville Douala pour me faire incarcérer au cabanon (prison de fou) de LAQUINTINIE par LE MÉDECIN PSYCHIATRE Christian Eyoum.**

    J'AI, par signe de protestation, détruit la porte en bois de la chambre VIP où Christian Eyoum m'avait fait interné puisque je pouvais décéder dans 1 cabanon, AU VUE DE MON ARRIVÉE DE WATERLOO (ON, CANADA) avec 1 climat d'hivers tempéré à cette période de l'année.

    JE REMET TOUT CECI ENTRE DES MAINS DE JEOVAH–NISSI AU CIEL.

33. ***Septembre* 2018**: **ROSE SANGNOU me fait arrêter chez MOI, par 1 escouade de 6 sapeurs–pompiers soit-disant que j'ai cassé mes effets personnels.**

34. ***JANVIER – JUILLET* 2020**: **Christian Eyoum dit que je ne suis pas 1 malade psychiatrique, mais que notre famille a 1 problème systémique. IL (Christian Eyoum) décide alors de me transférer chez 1 ancien psycho-thérapeute de LAQUINTINIE, "Dr. JEAN MOUBEB, MD" (actuellement PRINCIPAL DU COLLÈGE INTEG DE DOUALA–AKWA).**

    LA STAGIAIRE 'FOTSO' DE LA gente féminine, m'y accompagne. Le collège integ de douaala–akwa est situé à quelques centaines de mètres de l'hopital LAQUINTINIE!

    "Dr. JEAN MOUBEB, MD" est à cette époque de l'année entrain de recevoir ma sœur cadette INGRID TCHITCHUI NOUMBISSI (epse chandriand teuntchou noumeni) POUR LE MÊME PROBLÈME. "Dr. JEAN MOUBEB, MD" décide lors de ma 1ère consultation que je devrais m'associer à ROSE SANGNOU ET A INGRID TCHITCHUI NOUMBISSI pour faire 1 thérapie familiale et 1 thérapie individuelle.

    "Dr. JEAN MOUBEB, MD" diagnostique et traite sur ma personne 1 problématique de "père manquant" et 1 problématique de "forte colère". Après 6 mois de psycho-thérapie individuelle et familiale par PSYCHANALYSE, en compagnie de ROSE SANGNOU et de INGRID TCHITCHUI NOUMBISSI, "Dr. JEAN MOUBEB, MD" estime que je suis guéri et que je peux même déjà me traiter personnellement pour toute autre problématique mineur en ré-utilisant la PYRAMIDE DES BESOINS DE MAXLOW qu'il m'a inculqué.

    "Dr. JEAN MOUBEB, MD" nous (INGRID TCHITCHUI NOUMBISSI et ROSE SANGNOU) que nous devons aller vivre sans plus mélanger notre vie de famille nucléaire avec des oncles et des tantes utérins ou plus.

    "Dr. JEAN MOUBEB, MD" re-précise ne plus vouloir écrire 1 rapport pour Christian Eyoum qui nous (ROSE SANGNOU et INGRID TCHITCHUI NOUMBISSI) a transféré chez lui.

    À ce moment, je n'ai jamais eu de contacts aucun avec DR. ERERO NJIENGWE (psychologue–thérapeute), qui interviendra de force dans ma vie plus tard; après que mon domicile privé de la cité–des–palmiers fut démoli pour essayer de m'assassiner dans 1 nuit de FÉVRIER 2021.

35. **2020**: **HENRI BERTRAND NGATCHOU (HENRINGATCHOU@yahoo.fr), 1 oncle maternel véreux, et aussi 1 déclarant sous-douane QUI FAIT FALSIFIER DES MONTANTS DE FACTURATIONS DE PRODUITS DE SES CLIENTS sous mes yeux en pensent que JE LUI REDEMANDERAI DE ME RÉINTRODUIRE DANS SA SUITE D'EMPLOYÉS.**

36. **2020**: **DAVID FRANCIS ÉBOUTTE, mon locataire et propriétaire de la société d'échafaudage industriel TRADIS S.A.R.L. (`https://tradis-cm.com`) essaie de m'agresser physiquement pour cause que je lui réclame son loyer.**

37. **2020**: **DAVID FRANCIS ÉBOUTTE, mon locataire et propriétaire de la société d'échafaudage industriel TRADIS S.A.R.L. (`https://tradis-cm.com`) me fait des dérangements journaliers en recrutant des petits voyous aux fins qu'ils viennent dans ma fin de route pour faire des bavardages et commérages inutiles.**

38. ***Janvier* 2021**: **La brigade de gendarmerie de ndog-bong essaye de m'intimider à aller de force prendre 1 traitement psychiatrique aux fins de re-assouvir des désirs de LAURENT TCHANDEU qui a des projets politiques d'envergures.**

39. ***Février* 2021**: BERTRAND, gros bras de Christian Eyoum est entré par effraction à mon domicile de la cité-des-palmiers en FÉVRIER 2021 aux alentours de "23 : 18" dans la nuit, après avoir défoncé le cadenas avec 1 arme blanche.

40. ***Février* 2021**: Christian Eyoum établie 1 acte médical contre moi, APRÈS AVOIR ÉTÉ ENTRÉ CHEZ MOI CONTRE MA VOLONTÉ. IL REMET CET ACTE faux et non souhaité de ma personne, à ROSE SANGNOU ma génitrice.

41. **2021**: **"Dr. MVONDO, MD" de L'HÔPITAL ADLUCEM DE DOUALA–BONAMOUSSADI ME FAIT, avec l'approbation sans mon consentement aucun, de l'oncle paternel VICTOR KOLIOU NOUNDOU, INTERNER 2 SEMAINES A LA PRISON POUR FOU (cabanon) DE L'HÔPITAL LAQUINTINIE DE LA VILLE DE DOUALA.**

    La venue de la famille TCHINGWA (marie et moise) Sans que je ne les invite avait déjà alerté ma personne qu'ils viennent pour me faire des embrouilles.

    J'Y ÉTAIS (ADLUCEM) POURTANT POUR TRAITER 1 HYPERGLYCÉMIE CHRONIQUE.

42. **2021**: **1 VOISINE: dont j'ignore même des noms ou prénoms, sous le prétexte que je l'aurai accosté pour des besoins sexuels, DÉBARQUE DEVANT MA DEVANTURE POUR BAGARRER AVEC MA PERSONNE.**

    APRÈS QUE J'EU RECONTACTÉ LA compagnie de gendarmerie de ndog-bong, ELLE (la compagnie de gendarmerie de ndog-bong) me fait savoir qu'elle est dans l'incapacité d'appréhender cette jeune fille au pseudonyme de "HILARY".

43. **2021**: PETER AKUME NGOE (PHARMACY FIANGO LYCÉE MAKEPE à Douala-Makepè), 1 pharmacien avec qui j'avais conclus 1 partenariat de fourniture et de déploiement de mon système d'information ERP-PGI, refuse de me reverser 1 reliquat de 50 000 FCFA de paiement.

    PETER AKUME NGOE est 1 ANCIEN EMPLOYÉ DE LA FONDATION ADLUCEM.

44. **2021**: **LE MAIRE DE DOUALA 5ÈME, RICHARD MFEUGWANG, REFUSE DE ME RECEVOIR AUX FINS D'EXAMINER MES DEMANDES DE VIABILISER L'ACCÈS A MES PROPRIÉTÉS DE LA CITÉ-DES-PALMIERS A DOUALA.**

45. **2022**: THÉODORE WANDJI NGONGANG, DE CITOYENNETÉ CANADIENNE, a acquis frauduleusement 1 terrain revendu à Douala LOGBESSOU, situé derrière le terrain bâti de son frère cadet HENRI BERTRAND NGATCHOU.

46. ***Janvier* 2022**: La société frauduleuse forestière S2TBED fait éroder complètement la route principale menant a mon immeuble R+2 inachevé de YAOUNDÉ-AHALA-SIMBOK au point ou le piéton est oblige, POUR NE PAS MARCHER DANS LA BOUE RIVIÈRE, remonter du cote des fabricants de charbons illégal.

47. **2022**: MOÏSE TEBIWO YAMKAM me fait comprendre de manière subjective qu'il est mieux dans la vie que moi puisqu'il est au courant des transactions immobilières locatives que j'entendrai mener avec 1 locataire potentiel qu'est la société frauduleuse forestière S2TBED.

48. **2022**: ANNIE MÉTIAM EPSE POKAM-KWAM a acquis frauduleusement 1 terrain revendu par la C.N.P.S à Douala Cité-des-palmiers.

49. **2022**: **AURÉLIEN ILOGA ILOGA**, ancien camarade des classes de Douala au collège Alfred-Saker de Deïdo, **ET EMPLOYÉ DE ECOBANK POSTE CENTRALE de yaoundé**, essaye de me faire violenter par 1 gendarme (**ESSONO**) en civil.

    ESSONO est de très petite taille et avec 1 gabarie d'athlète. **ESSONO** M'AVAIT DIT ÊTRE 1 chef de gardiens de prisons. **AURÉLIEN ILOGA ILOGA** me fait comprendre que sa sœur est procureur de la république.

50. **2022**: TAATA RÉMI POUASSI, de citoyenneté allemande, a acquis 1 terrain frauduleusement qui porte son nom à yaoundé.

51. ***FÉVRIER* 2022**: **S2TBED est venu avec 1 camion en surpoids se positionner devant l'une des entrées de mes résidences de YAOUNDÉ-AHALA-SIMBOK, creusant ainsi le sol au point de créer 1 érosion insoutenable de la route juste à l'avant du portail gauche de mon immeuble R+2 non achevé.**

52. **2022**: ROSE SANGNOU a volée mes titres fonciers, sous la houlette de MOÏSE TEBIWO YAMKAM (**yamkam01@yahoo.fr**).

    (a) DOUALA: **LAND TITLE CERTIFICATE nr. 14 000, volume 117, WOURI 5, béedi–kounghi located IN CITÉ–DES–PALMIERS_HAUTE–TENSION_BÉEDI !**

    THERE ARE THREE 3–bedrooms APARTMENTS OF EACH around 135 m^2 of AREA.

    I HAVE INHERITED (JANUARY 8, 1992) THIS LAND from late computer PROGRAMMER ANALYST THÉODORE noumbissi (born on APRIL 01, 1956 in OBALA, center–region), my birth–giver on planet earth !

    (b) YAOUNDÉ (named IMMEUBLE YERITH): **LAND TITLE CERTIFICATE nr. 560 792, volume 265, MFOUNDI VI (6), Nsimbock–AHALA located IN Nsimbock–AHALA_FACE_ENTREE-ETOA-DERRIERE–savonnerie_NOSA !**

    THERE ARE 2 2–bedrooms APARTMENTS OF EACH around 105 m^2 of AREA.

    THE GROUND LEVEL IS FINISHED; missing, because of funding, is 4 supplemental 2–BEDROOMS apartments as planed from UNDERGROUND LEVEL !

    I HAVE BOUGHT THIS LAND, IN NOVEMBER 2012 (in front of asserted public notary ME. FRANCOIS–XAVIER MENYE ONDO), from cameroon national assembly parliament member; AND vice–president hon. THÉODORE datouo (FROM WEST–REGION; village BANGOU) !

    ASSERTED PUBLIC NOTARY ME. FRANCOIS–XAVIER MENYE ONDO, has offices at "IMMEUBLE DU CRÉDIT FONCIER DU CAMEROUN (CFC)" !

53. **2022:** MOÏSE TEBIWO YAMKAM ne doit plus dire être avocat au barreau du Cameroun, puisque le nom mentionné sur son parchemin de la "LAW SCHOOL DE LAGOS" ne correspond plus au nom de son acte de naissance original.

54. **2022:** 1 **gendarme extrêmement véreux décide de m'arnaquer dans la gestion de mes maisons de la cité-des-palmiers en COMPLOTANT avec ma locataire Mme ELIZABETH YAMBA, pour dire que je suis** 1 **mauvais bailleur qui appelle sans cesse.**

55. **2023: KAMJOU, dont j'ignore des prénoms et/ou autres identifications personnelles, ET QUI EST** 1 **VOISIN ÉLOIGNÉ DE MES RÉSIDENCES DE AHALA-SIMBOK, par jalousie sur mes biens et qualifications académiques, TELS QUE PROCLAMÉS PAR ROSE SANGNOU ma génitrice, PASSE LE CLAIR DE SON TEMPS À RAPPELER rose sangnou pour lui dire que je passe mon temps à faire des signes de croix chrétiennes lorsque je déambules les rues de Yaoundé.**

    KAMJOU, colonel retraité de gendarmerie, et membre de la secte réligieuse JÉRUSALEM APOSTOLAT, EST AUSSI 1 **CONNAISSANCE DE L'HOMME D'AFFAIRE THÉODORE DATOUO qui m'a arnaqué sur le prix de terrain que je lui ai racheté en OCTOBRE** 2012**, pour près de '**$6,5$ **millions de francs cfa'.**

56. **2023: MAÎTRE SYNCLAIRE NJEUTCHA TCHANA (tchabalsynclaire@yahoo.fr), mon conseil et AVOCAT CONSTITUÉ, EST** 1 **PEU SCEPTIQUE SUR MA CRÉDIBILITÉ, après avoir subis des pressions monumentales, depuis son cabinet de "DIAMOND HILL" À DOUALA, venant de LAURENT TCHANDEU.**

    SYNCLAIRE NJEUTCHA TCHANA est dans mon affaire depuis l'essaie du procureur de la république de Douala–Ndokoti (NOËL MOUELLE) de me faire abandonner ma plainte contre Christian Eyoum.

    SYNCLAIRE NJEUTCHA TCHANA est donc obligé de passer ce dossier à MONSIEUR LE PRÉSIDENT DU TRIBUNAL DU PARQUET DE DOUALA–NDOKOTI et ***JUGE D'INSTRUCTION HUGUES ALAIN YAGER MABOMA*****.**

    LAURENT TCHANDEU essaye de se faire passer pour mon responsable parental alors que je suis adulte et majeur, vivant à mes dépens seulement.

57. **2023**: THÉODORE DATOUO (https://fr.wikipedia.org/wiki/Th%C3%A9odore_Datouo) a installé des vas-nu-pieds aux alentours du lopin de terre qu'il m'avait revendu pour près de "**20 milles dollars canadiens** tous frais compris en ***Septembre*** **2012** LORS DE MON CONGÉ ANNUEL de L'UNIVERSITÉ DE WATERLOO (ON, CANADA).

58. **2023**: MANI, la protégée de THÉODORE DATOUO A, COMME CE SONT DES PÉRIODES PRE-ÉLECTORALES, recommencée à salir la routes avec des herbes et détritus divers.

    ELLE ('MANI') dit avoir été installée avec l'approbation de **CAMRAIL (Cameroon National Railway)** sur leur lopin de terre, grâce à l'action de l'honorable THÉODORE DATOUO.

    'MANI' est du village Dschang a l'ouest du Cameroun et ne pratique aucune activité lucrative légale ou connu des voisins directs ou indirects.

    THÉODORE DATOUO œuvre ainsi pour l'installation de bidon-villes dans la zone de AHALA-SIMBOK.

59. **2023**: **Rose Sangnou ma génitrice rencontre le procureur de YAOUNDÉ–central PROCUREUR DIFFO MOYOUM pour me faire interner dans 1 établissement de santé mentale.**

60. **2023**: **DOROTHÉE SHANDA NDJATIÉ EPSE PR. SHANDA–TONME JEAN–CLAUDE**, sœur utérine de ROSE SANGNOU, me fait violenter par 2 brigands en route, juste avant mon entrée principale à yaoundé–AHALA–NSIMBOK.

61. **2023**: Rose Sangnou ma génitrice a intégrée mon appartement de 3 chambres de la cité-des-palmiers où je logeais MADAME ELIZABETH YAMBA comme locataire (au loyer mensuel de 120 000 FCFA) sans me consulter.

62. **2023**: 1 **CITOYENNE DE LA RÉPUBLIQUE FÉDÉRALE D'ALLEMAGNE, accompagnée d'**1 **citoyenne des ÉTATS-UNIS D'AMÉRIQUE (ÉTAT DE L'OHIO selon ses dires), me menace de me faire interner à l'hôpital BETHESDA DE YAOUNDÉ.**

63. **2023**: LAURENT TCHANDEU A ÉTABLIE 1 TITRE FONCIER DE NOTRE PROPRIÉTÉ DE BABOUANTOU AU CAMEROUN SANS AVOIR MENTIONNÉ MON NOM à titre d'ayant–droit légal de feu Théodore NOUMBISSI.

64. ***Juillet* 2023**: DAVID DÉMO NOUNDOU, frère benjamin de mon feu père biologique THÉODORE NOUMBISSI me fait 1 remarque très désobligeante: 'IL (DÉMO NOUNDOU david) ME TRAITE DE FOU EN PUBLIC PAR 2 reprises'.

    J'AI REPRÉCISÉ À SES FRÈRES BIOLOGIQUES ET/OU UTÉRINS que j'ai, en tant que CHEF DE FAMILLE NOUNDOU (KING YERITH-NISSI (FEU)) donné la folie de malédiction à toutes ses (DÉMO NOUNDOU david) générations descendantes partout où il peuvent se retrouver.

65. ***Juillet* 2023**: VICTOR KOLIOU NOUNDOU me menace de me refaire prendre des comprimés de psychiatrie par force.

66. "18" ***Juillet* 2023**: **LA SOCIÉTÉ ILLÉGALE FORESTIÈRE S2TBED (**https://bois.fordaq.com/entreprise/S2TBED_278682.html**), face à mon domicile de YAOUNDÉ-AHALA-SIMBOK, est entrain de collaborer avec ma génitrice ROSE SANGNOU CES JOURS (**18−22**) DU MOIS DE JUILLET aux fins de me faire interner à l'hôpital JAMÔT DE YAOUNDÉ.**

    S2TBED appartiendrait à FRANCK BIYA, le fils du président de la république PAUL BIYA.

67. "21" ***Juillet* 2023**: **1 CERTAIN MONSIEUR DONT J'IGNORE DES IDENTIFICATIONS, mais qui m'a dit être le propriétaire de !ETS NEKDEM à barrière, et se nommant ÉDIMA FIDÈLE, vient à ma rencontre sans que je ne le veuille et commence à raconter en public que je RAQUETTE DES PERSONNES pour gagner mon pain quotidien.**

    Des riverains m'ont interpellés sur le fait que des agents communaux passent régulièrement soutirer des argents aux fins qu'ils ne soient plus déguerpis.

    LEURS DÉGUERPISSEMENTS AURAIENT EU LIEU FIN FÉVRIER 2023.

    Ceci ralentit l'avancement de mes investissements de près de 70 MILLIONS DE FRANCS CFA consentis depuis près de 12 ans.

68. "02" ***Août* 2023**: S2TBED, 1 société frauduleuse immobilière, et voisine de ma propriété de YAOUNDÉ–AHALA–SIMBOK, répand des fausses informations dans le voisinage:
    1. LA ROUTE JOUXTANT MES DOMICILES NE SERAIENT qu'1 route de quartier, et non 1 route légale de l'État du Cameroun.

69. "03" ***Août* 2023**: **ONGUENE, 1 directeur de la société frauduleuse immobilière S2TBED, installée sans permis de bâtir face à mes résidences avec permis de bâtir de la communauté urbaine de yaoundé (CUY), essaie en vain de me faire partir de mes lotissements:**

    1. **DR. LUCAS KEMGANG, propriétaire officiel de S2TBED, entre en contact avec moi par le biais de MONSIEUR SIMPLICE EBAKA KAMENI, et me propose de lui revendre toutes mes résidences (4 non achevées, 1 complètement finie, et 1 résidence partiellement achevée).**

    2. **ONGUENE, il vient à ma rencontre, et par devant des badeaux et riverains du coin, tance: TU NE PEUX PLUS VIVRE ICI DANS CE COIN.**

70. ***Août* 2023**: **DR. LAURENT TCHANDEU essaye de me faire des supplices en re-précisant que je ne devrais plus arrêter des comprimés psychiatriques.**

    DR. LAURENT TCHANDEU NE SE REPRÉSENTE PLUS DEVANT MA PERSONNE DE PEUR QUE NOUS PUISSIONS AVOIR 1 ALTERCATION PHYSIQUE puisqu'il m'a déjà fait violenter à plusieurs reprises.

    Dr. HENRIETTE POLA (son épouse et medécin gastro-entérologue et hépatologue), LUI A DÉJÀ DIT DE NE PLUS ME RECONTACTER. MAIS AU VUE DE SON PASSÉ CRIMINEL, il n'arrive plus à rester tranquille sans s'attaquer à des jeunes hommes, plein d'avenir et de vie.

    DR. LAURENT TCHANDEU A ÉTÉ 1 COLLABORATEUR DE FEU JEAN FOCHIVÉ au cameroun ancien !

71. "17" ***AOÛT* 2023**: NOS NÉGOCIATIONS (avec agent sécrétariat à la défense "HAPPINESS POTENTIAL S.A.R.L.") SUR LE RACHAT D'1 ORDINATEUR PORTABLE NEUF À "TITO MLARKET SARL (https://)", à AKWA-ZÉPOL, ne se passent plus comme prévus du fait de MANQUE DE FONCTIONNALITÉ "bios-legacy".

72. "21" ***AOÛT* 2023**: **DR.–ENG. DIPL.–INF. XAVIER ~~noumbissi~~ NOUNDOU ENTRE À LA BOULANGERIE zépol DE DOUALA–AKWA ACHETER son petit-déjeuner.**

    À SA SORTIE, 1 dame vigile de la banque marocaine SCB CAMEROUN, vient lui faire 1 agression verbale et physique EN LUI EMPOIGNANT SON T–SHIRT "pierre cardin rouge".

    XAVIER ~~noumbissi~~ NOUNDOU est désembusqué par 'JUMEAUX', commerçant de produits de luxes HOMME.

    XAVIER par la suite étant au bureau de FABRICE WILFRIED SIEMENI, est interpellé par 1 responsable de la SCB CAMEROUN, agence de AKWA-ZÉPOL; XAVIER LUI DEMANDE DE S'ENTRETENIR AVEC SON AVOCAT ET CONSEIL, me. synclaire tchana njeutcha, SANS SUCCÈS. L'IMPOSANT, PHYSIQUEMENT, cadre de banque menace DR.-ING. DIPL.–INF. XAVIER ~~noumbissi~~ NOUNDOU de le faire taire par ses coups de poings, PAR DEVANT plus de 8 témoins oculaires, JUSTE À L'ENTRÉE DE "happiness potential sarl" !

73. "26" ***AOÛT* 2023**: M. ALAIN TASSI (6 74 65 60 65) VIENT CHEZ MOI À YAOUNDÉ - AHALA - SIMBOK, sans que je ne l'ai invité; Pour soit-disant regarder si j'ai des travaux de chantiers.

74. "31" ***AOÛT* 2023**: **AGENT SED (sécrétariat d'état à la défense) Fabrice Wilfried Siemeni (PROPRIÉTAIRE DE "HAPPINESS POTENTIAL S.A.R.L") ne m'a pas payé CINQUANTE MILLES restants, pour mes prestations dans sa structure en voie de faillite digitale et financière !**

75. "03" ***Septembre* 2023**: AGENT SED (sécrétariat d'état à la défense) "Claude", 1 vaut–rien vivant dans 1 maison abandonnée par 1 gardien de terrains de HONORABLE THÉODORE DATOUO; essaye de me menacer de faire annuler mon permis de bâtir (Signé de Gilbert TSIMI EVOUNA);

    "21" ***Septembre* 2023**: CLAUDE, le vaut–rien du SED, essaye de venir montrer être valable chez sa collège ROBERTINE CARINE LELE NJOUGEP TCHANA, qui se fait appelée Édith de bangou; Bien que son nom réfère au village Bagangté !

76. "21" ***Septembre* 2023**: AGENT SED (sécrétariat d'état à la défense) "SIMPLICE KAMENI", surnommée ÉBACKA; vient de faire créer de la saleté avec 1 engin au virage donnant sur le terrain de la CAMEROON NATIONAL RAILWAYS (camrail); occupée illégalement par 'Mani', bien que la Communauté Urbaine de Yaoundé AVAIT ÉTÉ AU COURANT DE SON installation frauduleuse;

77. "25" ***Septembre* 2023**: **AGENT SED (sécrétariat d'état à la défense) "ALINE AZEFA" ME PROVOQUE en bagarre lorsque je suis entrain de me déplacer pour voir agent SED robertine carine lele njougep qui m'avait dit s'appelée ÉDITH.**

    APRÈS 2 ANS sans suite de HUJGUES YAGER ALAIN MABOMA, président du tribunal militaire; JE VIENS À LA CONCLUSION QUE BIYA franck a monnayé puisque je lui ai refusé la possession de mon immeuble R+2 de YAOUNDÉ–AHALA–SIMBOK !

78. PAUL BIYA en veut à ma sanité mentale par le biais du voisin vaut–rien du SED: ALINE azefa.

79. "25" ***Octobre* 2023**: **LA CITOYENNE ALLEMANDE teuntchou noumeni INGRID, me menace de me faire enfermer illégalement dans 1 cellule de la prison centrale de Nkodengui puisque j'ai redemandé à ma génitrice ET MÈRE de TEUNTCHOU NOUMENI INGRID, de ne plus me harceler avec des questionnements sur ma vie privée.**

    AUX DERNIÈRES NOUVELLES, provenant de celles-ci, puisque n'ayant pas rechignés, ROSE SANGNOU ET TEUNTCHOU seraient de la ROSE-CROIX amorc (Ancien Mystique Ordre de LA ROSE-CROIX).

    ANGÉLA SHANDA OWONA, leur congénère utérin par PR. DR. RER. POL. SHANDA TONME jean–claude, m'avait invité à y prendre par au ministère des relations extérieures !

80. "29" ***Octobre* 2023**: **1 voisin illégal installé par THÉODORE datouo (soit–nommé Moise), vient se plaindre de feuilles de ses plantains-bananeraies taillées parce qu'elles pénètrent dans ma propriété privée.**

    CE FAISANT, moise soit-nommé, dont j'ignore des identifications légales et/ou autres, détruit 1 tube d'ornement sur mon petit portillon d'entrée de IMMEUBLE YERITH, APRÈS QUE JE LUI AI INTIMÉ L'ORDRE de ressortir de IMMEUBLE YERITH; mon domicile privée et bureaux (JE N'AI AUCUN AGENT DE SÉCURITÉ À DATE D'ÉCRITURE).

    Moise, vaut–rien ne faisant aucun métier ou pratique professionnelle, JE contacte "FRANÇOIS BATOMEN" et "MAMAN THÉRÈSE (MA–T)" ses parents biologiques pour 1 réparation: XAVIER VA CHEZ TOI; tu as détruis notre tronc de bananier-plantain.

    Ce jour, SAMEDI 04 **NOVEMBRE** 2023,
    J'AI DIRIGÉ 1 CONVERSATION AVEC le promoteur de l'association d'éducation au football E.P.T.A, 1 monsieur très tranquille apparemment dont j'ignore, par oublie, des noms et / ou identifications. IL A DIT PARLÉ DE CES FEUILLES QUI ENTRENT chez moi illégalement à BATOMEN.

81. "09" ***Novembre* 2023**: **CE MATIN DE JEUDI 09 Novembre 2023, je me suis mis à râler sur le trottoir à l'encablure de chez moi contre le président du parti politique R.D.P.C puisque je ressentais des relents d'arrestations et d'incarcérations illégales du SED–EPTA, voisin.**

82. "16" ***Novembre* 2023**: **Voisin illégal Pierre Foka, gérant d'1 petite scierie voisine à celle de FRANCK BIYA (S2TBED); À DÉPOSER 1 camion endommagé au virage gauche venant de ma propriété légale, voici bientôt 2 semaines.**

83. "16" ***Novembre* 2023**: **MONSIEUR LE CHEF DE BLOC séverin atangana m'a promis convoquer François Batomen pour lui redemander de libérer mes espaces légaux, avec ses feuilles de bananiers-plantains.**

84. "18" ***Novembre* 2023**: **GENDARMERIE COLONEL kémajou, Vient de menacer ma personne aux fins que je ne rédige plus SES FORFAITS tels que mentionnés dans ce curriculum vitae étendue !**

85. "29" ***Novembre* 2023**: **LE SÉCRÉTAIRE D'ÉTAT À LA DÉFENSE YVES GALAX LANDRY etoga semble être incompétent à mon humble avis !**

86. "02" ***Décembre* 2023**: **Je soupçonne la société S2TBED d'être 1 société–forestière prétexte du SÉCRÉTARIAT D'ÉTAT À LA DÉFENSE pour détruire des hommes d'affaires africains-noirs.**

87. "19" ***Décembre* 2023**: **MAXIME napoa étémé m'avait dit être de la SEMIL, mais il n'est que à la base navale RMIA2.**

    IL (maxime napoa étémé) m'avait promis ne plus permettre que je sois séquestré arbitrairement !

88. "21" ***Décembre*** **2023**: **IL (MAXIME napoa étémé) m'avait dit que le colonel BAMKOUI (directeur de la SEMIL) avait agréé me faire confectionner 1 badge d'agent de renseignement SEMIL, pour 1 salaire mensuel d'1 minimum de "100 000 francs" mensuel.**

    JE lui ai remis 1 cadeau de 256 000 !

    IL (MAXIME napoa étémé) s'est éclipsé de son numéro de téléphone mobile MTN (6 75 75 36 43) voila plus de 2 semaines à date.

    IL (MAXIME napoa étémé) aurait reçu de l'argent des SHANDA (6 99 75 47 59; 6 77 47 42 27).

    JE vais retourner à l'ordre des avocats du Cameroun pour essayer de ravoir 1 avocat–conseil acquis à ma cause face aux attaques non judiciaires perpétrées sur ma personnes par SHANDA–OWONA.

89. "21" ***Décembre*** **2023**: **IL (MAXIME napoa étémé) a 1 poste de vente et commerce illégal posté à mes entrées privées de la cité-des-palmiers a Douala; 1 voisine d'1 appartement désaffecté depuis près de 20 ans, et non encore démoli par la CUD (communauté urbaine de Douala) est son employée a temps plein.**

    CE poste n'a jamais été détruit sur mes requêtes auprès de YOLANDE de Bafoussam (Ouest du Cameroun) !

    JE soupçonne MAXIME NAPOA ETEME d'être entrain de pourrir le niveau de vie de mes potentiels locataires sous paiements de SHANDA–OWONA !

90. **"*22*" *Décembre* 2023** : **GABRIEL takoumbe ne m'a plus recontacté: IL (GABRIEL takoumbe) a débuté à me racheter 1 camion de gravier dont je n'en ai plus besoin pour des travaux de maçonneries !**

    IL (GABRIEL takoumbe) serait aussi selon toute vraisemblance 1 agent SED (SÉCRÉTARIAT D'ÉTAT A LA DÉFENSE) !

91. **"*22*" *Décembre* 2023** : ME. NTONE, avocat conseil agrée à l'ordre des avocats du Cameroun; a accepté être mon nouveau avocat conseil; Sans constitution.

    ME. NTONE, mon nouveau avocat conseil, a ses bureaux près de la maison de la radio à Yaoundé, SIS IMMEUBLE GMC.

92. **"*24*" *Décembre* 2023** : S2TBED, entreprise forestière illégale, et appartenant à Franck BIYA, ENTRETIENT des agents de renseignements du type de l'Allemagne HITLÉRIENNE.

    EN EFFET, ils ont des idées du type:

    1. des herbes autour de chez toi ne sont pas encore nettoyées; même si tu n'as pas de force ou d'argent pour le moment; TU DEVRAIS ÊTRE EMMENÉ EN PSYCHIATRIE !
    2. JEAN de maroua est le principal auteur de ces allégations; 1 individu ne possédant même plus 1 CERTIFICAT D'ÉTUDES DU 1er cycle camerounais (enfants allant jusqu'à 12 ans environ.
    3. les personnes seuls sont illégales; ces personnes devraient être emmenées en psy.

    Ce type de personnages travaillent pour KEMAJOU, ivrogne et alcoolique colonel de gendarmerie; Par le biais de la société de gardiennage "General Security".

    Certains éléments de la police et de la gendarmerie au Cameroun arborent des treillis similaires à ceux portés par des "militaire SS de l'Allemagne HITLÉRIENNE".

    J'ai attiré ceci à l'attention de 2 hommes en tenues de police et de l'armée marine.

93. **"*29*" *Décembre* 2023** : JUGE D'INSTRUCTION ALAIN HUGUES YAGER MABOMA n'est pas du tout serein dans mes affaires judiciaires puisque je n'ai plus observé d'avancements.

94. "*28*" ***Décembre*** **2023** : La société TATAVI S.A.R.L a envoyée 1 agent SED (Sécrétariat d'État à la Défense) à ma rencontre lorsque je voulais rencontrer 1 agent immobilier ce 28 Décembre 2023 a Yaoundé !

    CURIEUSEMENT l'immeuble abritant cette entreprise malévolente porte des couleurs vertes et jaunes, rappelant celles utilisées par la gendarmerie.

    Tout porterait a croire qu'1 bâtiment au cameroun arborant ces couleurs de jaune et de vert serait juste 1 point de renseignement de la gendarmerie nationale.

95. "*29*" ***Décembre*** **2023** : 1 véhicule non immatricule a essayé de me percuter lorsque je marchais tranquillement sur la route menant à mon domicile de Yaoundé–Ahala ce jour vers "14 : 30".

    Ce véhicule avait l'air d'1 véhicule de renseignement de l'armée camerounaise.

96. "*30*" ***Décembre*** **2023** : LE JOUR OU JE DÉPOSAIS MA PLAINTE arrêtée, sur recommandation du pasteur MARCO de Chapelle Gloire De Christ, de New-Deido–DOUALA, J'avais remarque la présence dans mon arrière, assise, d'1 militaire dame vêtue d'1 casquette portant la mention SEMIL (N.D.L.R: Sécurité Militaire) !

    CECI ÉTAIT EN FÉVRIER 2021.

    CET ATTENTAT VISANT À DÉTRUIRE MA VIE DE CHRÉTIEN NÉ-DE-NOUVEAU, s'est passé dans la nuit du jour suivant où j'ai rencontré 1 voisin disant pouvoir me fourvoir d'1 emploi d'agent de renseignement au ministère de la défense du Cameroun: "L'ADJUDANT CHEF MAJOR MAXIME NAPOA ETEME" !

    Je ne suis jamais allé premièrement à la rencontre du voisin "L'ADJUDANT CHEF MAJOR MAXIME NAPOA ETEME"; c'est lui qui avait établi 1 premier contact avec moi en me saluant et me montrant son domicile lorsque je sortais d'1 magasin de vente de produits d'occasions et neufs provenant de la RFA (République Fédérale d'Allemagne) !

    "L'ADJUDANT CHEF MAJOR MAXIME NAPOA ETEME" m'avait dit avoir été en visite chez moi à mon domicile de location du SED-agent "TRADIS S.A.R.L".

    La société d'échafaudage industriel "SED-agent TRADIS S.A.R.L" a déménagée de chez moi en Septembre 2023 en laissant plus de 3 mois de loyer impayés. DIRECTEUR DAVID FRANCIS EBOUTTE !

97. "*30*" ***Décembre*** **2023**: Henri Bertrand Ngatchou, 1 frère cadet de ma génitrice Rose Sangnou, a essayé de me faire des examens médicaux puisque je suis sans soucis de santé, Aux fins de me faire subir des arrestations dans des prisons (cabanons) de fous dans des hôpitaux psychiatriques.

    Ceci s'est passé lors de son invitation dans son village Bangou pour des célébrations du mariage de sa nièce Cynthia Nkwouano !

    J'ai cessé tout rapprochement avec cette famille NGONGANG de ma génitrice Rose Sangnou !

98. "*07*" ***Janvier*** **2024**: TIMOTHÉE et 1 jeune garçon, tous deux de SECTE JERUSALEM APOSTOLAT sont stationnés à mon entrée principale (au portillon) à mon arrivée venant de barrière ce dimanche matin aux alentours de 10 : 30.

23 ÉVÈNEMENTS MARQUANTS (SUITE) – ATTAQUES DE GUIMEZAP IUC PAUL MARTINE JACKSON TSOPMO MCGILL UNIVERSITY

99. **"*08*" *Janvier* 2024:** L'institut Universitaire de la Côte a essayé de me faire des ennuies par rapport à l'ouverture officiel du centre de formation Informatique YERITH R&D.

    LA ROSICRUCIENNE et génitrice de ma personne (Rose SANGNOU, veuve Théodore NOUMBISSI), qui partage la même sorcellerie de loge avec MARTINE GUIMEZAP et PAUL guimezap, ce fondateur de L'INSTITUT UNIVERSITAIRE DE LA CÔTE et son épouse du village BAFOU A L'OUEST; vient chez moi faire sa (IUC de Douala) publicité en arborant 1 T-SHIRT gris arborant des sigles de L'INSTITUT UNIVERSITAIRE DE LA CÔTE DE DOUALA (IUC) !

    IL semblerait que je suis entouré de personnes de sorcellerie qui ne veulent pas dévoiler devant ma personne, mais qui souhaitent que je constate ceci avec du temps passé et des désespoirs manqués et / ou pas.

100. **"*09*" *Janvier* 2024:** L'éraflure de voisine du village BAFOU comme des guimezap a fait semblant d'être me génitrice ce matin à mon passage en arborant 1 coiffure de cheveux similaires à ce que la Rosicrucienne ROSE SANGNOU veuve Théodore Noumbissi se coiffe régulièrement dans la cité de moi !

    CETTE ÉRAFLURE du nom de Paulette AZEFA; dont j'ignore d'où elle serait née, a déjà essayée de me faire 1 assassinat par sa fille du SED-yves-landry-etoga-galax EN PLEINE ROUTE lorsque je traversais la demeure qu'elles occupent !

    C'est à mon retour définitif de mon séjour d'études et de travail de l'occident que j'apprends que cette demeure aurait été construite avec des matériaux délibérément CAPTÉS dans mon chantier personnel qui avait pour gardien RÉNÉ Mbazeu; BEAU-FRÈRE DE Josué nkwouano; petit-frère de la génitrice Rose SANGNOU à Douala !

    LA VOISINE et sœur du capitaine BIR-baitaillon-dintervention-rapide PIERRE-MARCELLIN-EMANÈ-NKOA est pourtant de la gendarmerie nationale; C'est quand même surprenant que cette ancienne chef du service de recrutement du SED vive où il y'a toute cette insécurité; En compagnie du CAPITAINE-MBIDA de l'armée de l'air du Cameroun !

101. **"*09*" *Janvier* 2024:** L'électricien "LUCIEN" ("6 79 01 63 68") ayant installé ma pompe à eau pour mon forage, avait fait exprès de me demander de racheter 1 flotteur, sachant pertinemment que celui-ci est non approprié.

    JE soupçonne l'électricien "LUCIEN" ("6 79 01 63 68") d'être aussi 1 agent SED pour contrer toute velléité de progrès dans le Cameroun, venant des camerounais authentiques, NON mariés par des loges sataniques et autres aux caucasiens !

102. **"*09*" *Janvier* 2024:** Je me rends compte vivre dans 1 endroit ou presque toute âme essaye de me faire assassiner ou bien arnaquer en ARBORANT sed.

103. **"*09*" *Janvier* 2024:** Ma connexion internet DE MTN afrique-du-sud EST ÉTRANGEMENT BEAUCOUP plus lente ces 3 dernières semaines !

104. **"*12*" *Janvier* 2024:** L'institut de formation de techniciens supérieures "ISTIAM" semble être intéressé par ma start–up YERITH R&D et mes dons d'enseignant en sciences Informatiques.

    JE leur soumettrai 1 nouveau curriculum vitae, en Français, approprié pour la gestion entrepreneuriale d'1 start–up au sein de leur institut de formation professionnelle.

    JE communique avec son ("ISTIAM") responsable pédagogique, M. GUIMEYA; M. GUIMEYA m'avait aussi dit connaître personnellement les promoteurs de l'IUC (Institut Universitaire de la Côte); je lui ai aussi fait part de cette relation entre eux et moi.

24 ÉVÈNEMENTS MARQUANTS (SUITE) – ATTAQUES À LA DÉLÉGATION GÉNÉRALE DE LA SÛRETÉ NATIONALE (DGSN)

105. **"*12*" *Janvier* 2024**: J'étais ce matin au commissariat de AHALA pour me tenir informer de la position de ma génitrice Rose Sangnou qui est venue il y'a quelques jours a Yaoundé semer 1 confusion sur ma personne dans mon voisinage.

    Cette situation de perpétuelle mise-en-garde contre des destructions corporelles par les soins des médecins psy me persuadent d'1 ou plusieurs tentatives de m'éliminer physiquement en prenant pour cible ma génitrice et maman comme source de cette élimination physique et de l'esprit !

    J'AI été oblige de me faire partir de force Puisque 1 des policières et 1 autre policier; JE ne sais pas ils avaient déjà reçu de l'argent, de LA rosicrucienne ROSE SANGNOU MA GÉNITRICE, voulait déjà me faire violence et me:

    (a) pour l'1 des policières me maintenir derrière le poste sans mon consentement, alors que c'était moi le plaignant; Venu de son propre gré se plaindre du désordre de sa génitrice dans son voisinage, AU sujet de ses effets personnels que j'ai mis à la poubelle;

    (b) pour 1 des policiers, DE me redemander si je souhaiterais rencontrer 1 médecin.

106. **"*13*" *Janvier* 2024**: ROSE sangnou, ma mère, et génitrice, NE SAIS PLUS POURQUOI ELLE EST en ce moment dans la ville de Yaoundé, sous recommandation de DR. fernand junior wolfgang owona.

107. **"*18*" *Janvier* 2024**: Madame Manga CHEF D'AGENCE DE EXPRESS UNION de barrière ne m'a plus informée si ma demande a été acceptée ou plus.

    Madame Manga, m'avait d'abord fait 1 allusion à ce que je ne pourrais obtenir de prêt bancaire que si ma génitrice Rose Sangnou était impliquée.

    JE lui ai rétorqué, que ceci concerne ma vie privée financière et que je fermerais mon compte EXPRESS UNION si ceci n'était pas respectée !

    MADAME manga m'a dit de lui donner l'original de la copie de mon titre foncier de YAOUNDÉ-simbock; DAME r.d.p.c – Bangou et génitrice Rose SANGNOU a refusée de s'exécuter !

    Le frère cadet HENRI BERTRAND ngatchou de Génitrice ROSE SANGNOU est le vice-président du R.D.P.C à Bangou.

    HONORABLE datouo théodore, QUI m'avait revendu ce terrain en Novembre 2012 en est le président du R.D.P.C bangou.

    DR. fernand jr wolfgang owona, Fils de FEU ministre JOSEPH OWONA, et petit-fils de MINISTRE grégoire OWONA, est du R.D.P.C à Yaoundé.

108. **"*30*" *Janvier* 2024:** 1 gendarme assez bruyant fait irruption dans 1 kiosque MTN MOMO (Mobile Money) où JE suis entrain de reparler avec 1 huissier de justice par rapport à mon affaire d'incarcération illégale dans des cabanons pour fous PAR LA rosicrucienne et génitrice Rose Sangnou !

   JE soupçonne le Sécrétaire D'État à La gendarmerie, personnellement, "Yves Galax Landry ETOGA", d'être encore à l'origine de cette énième intrusion dans mes vies privées de façon illégale !

   ET ceci dans l'optique de ternir mon image de marque en vue des prochaines élections présidentielles anticipées au Cameroun en 2024 !

   IL y a de ceci plusieurs semaines, lorsque j'étais à la brigade ter de gendarmerie de EBOM à Yaoundé pour me plaindre de la petite tentative d'assassinat venant de ALINE azefa, 1 voisine illégale de mes domiciles de Simbock, 1 dame gendarme en tenue militaire est entrée dans le bureau du commandant adjoint de brigade avec lequel j'étais en train de m'entretenir pour lui signifier que je n'étais pas en bon rapport avec YVES (puisque officiellement je n'ai jamais commis aucune infractions !

   JE perçois tout ce cirque judiciaire sans issues comme des attaques politiques du RDPC (CPDM en anglais) !

109. **"*30*" *Janvier* 2024:** "L'huissier de justice MAÎTRE ANDRÉ", du cabinet de MAÎTRE FOUMANE au niveau de "montée Anne Rouge à Yaoundé" me recommande de me déplacer pour Douala pour réclamer mon titre foncier personnel à ma génitrice et mère Rose Sangnou !

110. **"*02*" *Février* 2024:** JE viens encore de me rendre au commissariat de AHALA pour rencontrer 1 officier qui m'avait été recommandé par le "procureur MBOUYOM MOFFOR Hyacinthe" de YAOUNDÉ–CENTRALE; 1 DES policier me dit d'abord qu'il est sorti et pas très loin du poste, et que je peux aller à sa rencontre séance tenante.

   JE me met simplement à l'attendre de peur de ne pas être comme il faut en le recherchant à l'extérieur de l'enceinte du commissariat du 19ème arrondissement de Yaoundé.

   JE leur dis ensuite que je m'éclipse puisque je n'ai plus assez de temps d'attente.

   CE même policier me demande alors si je n'ai regardé à l'arrière du poste dans son bureau, OÙ L'ON accède en les traversant de l'intérieur où ils étaient (policiers en tenus !) !

111. **"*03*" *Février* 2024:** ***Samaneh Navabpour*** M'avait pourtant, lorsque j'étais encore son collègue d'université, Prédit 1 avenir tumultueux en Afrique contemporaine, Comme pour elle EN iran.

   Amir vakili Hossein était aussi très sceptique pour mon avenir si je m'hasardais à retourner au Cameroun après mes études de Doctorat–PhD De l'Université de Waterloo a Waterloo (ON).

112. **"*10*" *Février* 2024:** J'ETAIS CE JOUR A "HAPPINESS POTENTIAL SARL" a la rencontre de DR. fabrice wilfried siemeni.

   "HECNA NGAYAM", 1 comptable de "HAPPINESS POTENTIAL SARL", a eu l'amabilité de me représenter sur internet, Pour l'obtention d'1 identifiant personnel aux impôts du Cameroun; J'en ai principalement besoin aux fins d'obtenir 1 carte bancaire "VISA CRÉDIT électron".

   J'EU VENT DE CE QUE sa collègue "HECNA NGAYAM" eût essayée sans relâche de me rejoindre par téléphone, bien que j'ai toujours reprécisé aimer communiquer par "GMAIL.COM".

   J'ai rencontre aussi 1 éraflure d'enseignant nomme "M. Isidore WATTAT"; DONT J'IGNORE LES PRÉNOMS ET AUTRES DÉTAILS PERSONNELS.

113. "*18*" ***Février* 2024**: Des voisins ont pris des habitudes d'aller raconter des mensonges aux autorités sanitaires aux fins que je sois appréhendé pour 1 hôpital psy.

EN l'occurrence PIUS et son épouse Florence; "BATOMEN" et son épouse Thérèse (au sobriquet de "MA-T") !

ILS sont (FRANÇOIS, PIUS, FLORENCE, "MA-T (N.D.L.R: maman thérèse)"), des jaloux de mon succès financier d'informaticien aux Canada et En Occident ("Silicon Valley" PAR siemens medical solutions USA.) !

"M. Isidore WATTAT" de "happiness potential sarl" A LAISSÉ SES CHEVEUX poussés avec 1 barbichette comme s'il est 1 psy.

Depuis que j'ai eu à revoir 1 enfant MVONDO ASSAM chez "happiness potential sarl", IL se remarque des personnes étranges telles que DOCTORESSE MBARGA; et 1 CERTAIN PSY "M. Isidore WATTAT".

Depuis que Siemeni Fabrice Wilfried m'a appelé au téléphone 1 jour où j'avais reçu mon loyer de 160 000 francs de GERMAIN-BLAISE ndzié, mon ancien locataire à la cité-des-palmiers, ET CECI PAR 2 REPRISES, sans que je ne sache comment il fût au courant de cette entrée d'argent, J'AI préféré lui proposer 1 partenariat en affaires dans ma structure en cours de formalisation au ministère du commerce (YECEFOIQ: YERITH-CENTRE DE FORMATION INFORMATIQUE).

"FABRICE WILFRIED SIEMENI" m'a dit être intéressé, mais il n'a plus jamais manifesté 1 intérêt extérieur autre que accepter que je lui reverse 1 montant supérieur à 200 000 francs pour le rachat aux ÉTATS-UNIS de certaines fournitures non présentes sur le marché local.

"FABRICE WILFRIED SIEMENI" ME PARAIT DONC suspect dans mes arrivées en affaires.

"FABRICE WILFRIED SIEMENI" vient la 1ère fois à ma rencontre lorsque je visite la réunion "NUFI-CANADA" de TORONTO; pour me reparler de ses services de nutritionniste.

"FABRICE WILFRIED SIEMENI" m'invite ensuite a 1 cabinet conseil en nutrition au centre ville de Toronto; et par la suite souhaite passer me faire 1 consultation à domicile au niveau de mon iris Pour essayer 1 nouvelle thérapie TELLE QU'IL ME L'AVAIT REPRÉSENTE lors d'1 réunion à nufi-canada; ALEXIE TCHEUYAP, vice-recteur de l'université de Toronto en ce moment, avait été celui qui m'a présente Fabrice Wilfried Siemeni.

114. "*26*" ***Février* 2024**: 1 dame dont j'ai oublié des noms et prénoms; Et que j'ai rencontré pour 1ère fois au magasin de consommables informatiques juste situe face "Collège Integ a Douala"; Se représente à ma personne faisant mention de ma génitrice et de ma sœur utérine INGRID.

JE me distance directement cette dernière, Pensant que celle–ci est en provenance de ma génitrice et de Christian Eyoum !

Cette jeune dame d'1 quarantaine d'année est vêtue d'1 ensemble haut jaune et d'1 jean bleue, Mentionnant "NORLAND" !

115. "*04*" ***Février* 2024**: JEAN-PIERRE Kamgain, 1 connaissance d'enfance, au quartier New–Deido de DOUALA; essaye de me faire 1 sodomie en venant dire chez moi à mon domicile de Yaoundé qu'il souhaite y passer 1 nuit avec moi; Ceci s'est passé en Décembre 2023 !

DOROTHÉE DJATIE SHANDA OWONA, est venue en visite chez ma grande-maman TCHITCHUI Élisabeth lorsque j'y séjournais quelques 9 jours en attente de matériels informatiques pour la création et ouverture de YECEFOIQ.

116. "*03*" ***Mars*** **2024**: JE viens de me rabaisser à manger dans 1 ”tourne–dos face Quincaillerie N.K (Nestor Kenfack)”.

”TEUNTCHOU NOUMENI ingrid”, 1 sœur utérine fait retarder des travaux de réfection de mon appartement de 3 chambres sis cité-des-palmiers !

”Honoré WOUCHE”, 1 cousin non germain maternel, qui a réalisé des tables pour YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE); M’en a reparlé.

”Honoré WOUCHE”, m,’a aussi fait savoir qu’1 ses filles est employée dans 1 plantation de "Mvondo" dans le Sud du Cameroun; JE soupçonne 1 tentative du RDPC de me mettre hors de mon réseau naturel familial et financier Puisque "HENRI BERTRAND Ngatchou" (”Propriétaire Best Car Care & Services”), aussi 1 cousin maternel de "Honoré WOUCHE", ET 1 oncle maternel à ma personne, Vient d’être nommé par cooptation, ET NON PR CANDIDATURE, Vice-président du RDPC (C.P.D.M.) à Bangou à l’Ouest–Cameroun: Son village natal !

”TEUNTCHOU NOUMENI ingrid”, EST AUSSI L’ÉPOUSE DE teuntchou isaac, membre influant au Sécrétariat D’état à la Défense (SED); 1 organisme terroriste de MVONDO ASSAM Bonivan !

”MVONDO ASSAM Bonivan”, est aussi 1 des actionnaires initiateurs de la société forestière frauduleuse, et voisine à ma demeure de Simbock–Barrière !

”TEUNTCHOU NOUMENI ingrid”, s’était pourtant solennellement désengagée de suivre 1 quelconque acte de nos propriétés de la cité–des–palmiers DE SON PROPRE GRÉ pour me les laisser de plein droits aux vues de: Sa citoyenneté ALLEMANDE; et son mariage légal à l’allemand "TEUNTCHOU NOUMENI chandriand"!

”TEUNTCHOU NOUMENI ingrid”, et "TEUNTCHOU NOUMENI chandriand" étaient tous 2 des citoyens camerounais au moment de la célébration de ce mariage frauduleux aux vues de ma non ACCEPTATION en tant que frère unique aîné de ”TEUNTCHOU NOUMENI ingrid” !

117. "*06*" ***Mars*** **2024**: 1 porteur de sacs de ”Quincaillerie Aimé SARL”, situe non loin et en face de ”Quincaillerie N.K (Nestor Kenfack)” me dit de ne plus lui dire: ”EST CE QUE MONSIEUR AIMÉ, votre chef d’équipe est présent sur ses lieux de services” ?

118. "*10*" ***Mars*** **2024**: M. weladji, dont j’ignore les prénoms, M’avait arnaqué 1 montant de 20 Milles FRANCS et je m’étais rendu à la ’brigade ter de gendarmerie de Akwa-Sud’ à Douala Pour re-avoir mon argent, Moyennant 5 Milles de frais aux gendarmes.

M. weladji, À ma grande surprise, N’a plus été inquiété par 1 procédure pénale !

120. "*16*" ***Mars*** **2024**: MBIDA, voisin travaillant à la garde présidentielle du Cameroun, hors-la-loi puisque devrait vivre dans 1 caserne, EST encore entrain de faire du désordre chez moi !

IL a enfin, TELLE que rapporté par ”M. Onguene”, et ”M. Moise” de S2TBED pensé à faire réparer la route endommagée par des camions de S2TBED. C’EST à croire qu’il serait 1 actionnaire de cette entreprise illégale dans mon quartier Puisque ne respectant plus des normes environnementales de bases telles que: DES DÉCHETS d’essences de bois sur les piétons en plein 09 : 00 du matin par exemple.

”MBIDA” a fait porter des déchets de part et d’autres de la 2ème entrée, juste face à mon entrée principale, pour les déversées, mélangées avec de la terre, sur le rebord de mon mur de face à la route principale !

121. "*20*" ***Mars*** **2024**: ”MANI”, 1 protégée de ”Hon. Datouo Théodore”; ancienne épouse du feu gardien des terrains à barrière-Simbock-Ahala de Datouo, me recommande à 1 frère aîné de mon ancien compagnon canadien JD TUJILO TCHOKOTÉ.

”MANI”, me recommande ainsi à ”MARCEL tiemeni”, frère aîné de JD TUJILO TCHOKOTE, qui est entrain de construire 1 barrière sur son terrain acquéris il y’a de ceci 12 ans environ, juste au même titre foncier que le mien chez l’acheteur en gros ”HONORABLE THÉODORE DATOUO”.

122. "*26*" ***Mars*** **2024**: ”JEAN–PIERRE kamgain” me toise en pleine route lorsque je me rends à Chapelle Gloire De Christ.

123. "*26*" ***Mars*** **2024**: "TITO MARKET SARL" (`https://`) n’a plus commandé exactement la pièce ”NC-300” de ”SavingOlogy.com” Que je désire ravoir. ILS m’ont dit être plus tranquille avec 1 KVM-switch qui serait 1 technologie plus nouvelle que celle d’1 ”***MULTI-USER TERMINAL COMPUTER***” !

Malheureusement pour eux, Je ne peux plus accepter de changements, PUISQUE j’ai déjà racheté, par exemple, des claviers à ports "PS/2" qui fonctionnent avec des ports "PS/2" du ”NC–300 Multi-User Terminal Computer” de ”SavingOlogy.com” !

AUSSI, je souhaite ravoir seulement 1 ’NC–300 Multi-User Terminal Computer” pour mes clients du fait de la facilité d’entretien face aux avancées en piratage informatique dans des années à venir: En effet, la quantité des données est très limitée avec des ports "PS/2", Comparativement aux autres ports tels que USB, DVI, etc. !

Aussi, je souhaite être purement et simplement remboursé puisque 3 semaines d’attentes et des frais de déplacements supplémentaires pour Douala ne sont plus comme il faut pour mon budget limite d’entrepreneur HIGH–TECH !

JE faisais cette commande par 1 intermédiaire puisque je n’avais pas encore 1 numéro d’identifications unique pour des impôts requis par ”***la banque Filiale UBA Ange–Raphaël***” pour l’obtention d’1 carte VISA–MASTER–CARD pour mes rachats personnifiées en ligne, Au magasin ”SavingOlogy.com” !

124. "*26*" ***Mars*** **2024**: DR. Audrey Mbarga était très avenante ce matin lorsque je revisitais des locaux de ’happiness potential sarl’ !

L’ÉRAFLURE DE ”psy wattat” n’était plus du palier !

125. **"*28*" *Mars* 2024**: L'ÉRAFLURE DE "Billie–joie" me suivait ce matin lorsque je revenais de rendre visite au pasteur "Marco" de CHAPELLE GLOIRE DE CHRIST.

 1 INDIVIDU vivant dans 1 petite route de quartier à new-deïdo; le quartier où je séjourne chez mon grand-père maternel en ce moment; arborant de temps à autres 1 treillis "AGENT DE SANTÉ COMMUNAUTAIRE" surnommé "MBAKO"; et Ayant des cheveux blancs ébouriffés, Me fait suivre !

126. **"*31*" *Mars* 2024**: 1 dame vendant du poisson à la braise; vivant sur la rue où 1 "Billie–joie", précédemment cité dans mes récits se loge; ME redit à plusieurs reprises lorsque je circule sur la voie publique en faisant des signes de croix en signe D'AFFIRMATION de ma foie chrétienne, que: "C'EST à l'église qu'on fait cela" !

127. **"*01*" *Avril* 2024**: ***L'imberbe de "RODRIGUE ALAIN sienchie ngongang"***, 1 oncle utérin, dont j'ai déboursé près de "1 000 000 **FRANCS (XAF)**" pour ses (2 billets d'avions depuis 2004, et 2005, si mes souvenirs sont exacts); SIENCHIE, dont je ne connais pas le niveau réel d'éducation, aux vues de ses idées dégénératives envers mes droits humains, Supporte avec pour raison 1 protection des faits suivants provenant de sa sœur utérine aînée DADA (n.d.l.r: HUISSIER de justice dorothée ndjatié shanda owona):

   1. "***LE DÉNOMMÉ ERIC CONSTANT fotso tchuente*** ", 1 Camerounais d'origine, vivant aux USA; a souhaité me racheté 1 de mes appartements de YDE-AHALA pour 1 montant total d'environ "7 000 000 **Francs (XAF)**" en l'an 2021 !
   2. "dada, sœur utérine de Rose sangnou, ma génitrice, À qui j'avais confié des documents de propriété m'appartenant par rachat à HONORABLE DATOUO théodore."; Voyage de Edéa, sans demander mon avis et / ou consentements; AUX FINS DE ressasser: JE NE VEUX PLUS QUE TU (n.d.l.r.: ROSE SANGNOU) redonnes ces papiers à ton fils !!!

128. **"*03*" *AVRIL* 2024**: "MOMOKASH", service de prêt et d'emprunt de moneyMobile, NE serait plus opérationnel ces jours-ci!

129. **"*03*" *AVRIL* 2024**: "MARCEL théophile Mpondo Kouo", alors 1 ancien camarade du "collège Alfred Saker" de Douala; EST 1 cadre directeur en fonction au groupe MTN !

 "MARCEL théophile Mpondo Kouo" était à cette époque (2000 allant à 2001) LE dernier en classe, avec des gens comme NGADJEU.

130. **"*03*" *AVRIL* 2024**: "***JEAN ngongang, paix à son âme de personne tribale, est devenue intéressant lorsqu'il essaye de voler MON âme par*** 1 ***prière devant moi sur*** 1 ***lieu sacré de sa concession de Bankepche–Bangou.***!

 "ÉRIC CONSTANT FOTSO TCHUENTE" m'avait remis 20 000XAF aux fins de me re-déplacer sur Douala pour récupérer mon titre foncier de ma propriété de YDE-AHALA-Simbock; JE souhaitais lui revendre 1 appartement pour 1 montant total de 7 000 000 FRANCS (XAF).

 LA sœur de ma génitrice, ROSE SANGNOU; "me. (huissier de justice) SHANDA Ndjatié Dorothée Owona"; Descend de Edéa pour Douala, avant même que je ne prenne mon départ de YDE; ET INTIME 1 ordre de co–épouse à 'Rose–Sangnou': NE REMET PLUS DE TITRE FONCIER À XAVIER ~~noumbissi~~ noundou.

131. **"*05*" *AVRIL* 2024**: LE fainéant de 'ME. PATRICE CABRAL shanda sanou' Est décédé en Inde. Son paternel de fainéant "SHANDA TONME jean claude" et sa maternelle de Fainéante "me. (huissier de justice) SHANDA Ndjatié Dorothée Owona" SONT CONVAINCUS qu'ils ne peuvent plus me faire passer de vis à trépas; Puisque JEOVAH-NISSI–AU–CIEL; aussi dit JÉSUS–DE–NAZARETH a intervenu en ma faveur.

132. **"*08*" *AVRIL* 2024**: "Prof. SIEMENI de happiness potential sarl" m'a donné 1 reliquat de 10 000 FRANCS XAF sur des 15 000 FRANCS XAF restants pour son inscription à `YECEFOIQ`.

133. **"*08*" *AVRIL* 2024**: "Honore Wouche", cousin germain de "Rose SANGNOU ma génitrice", est déjà assez régulier selon mes convenances gênantes chez "Rose SANGNOU" où je séjourne en ce moment à Douala.

 J'eu croire qu'IL a déjà été à l'origine d'1 de mes séquestrations arbitraires à LAQUINTINIE: Rodrigue ALAIN son cousin germain et pourfendeur négatif de ma personne lui a asséné 1 dernière visite: "IL (xavier) faut LE RAMENER DANS 1 cabanon de fou; Il lit trop la BIBLE." !

134. **"*08*" *AVRIL* 2024**: L'université de Waterloo semble falsifier ses propres écrits aux fins de favoriser des candidats malheureux aux présidentielles au Cameroun !

 Après que "Patrick Lam, PhD, PEng", m'eut enregistré 1 équivalence de mon "Engineering Doctoral Program" achevé en Décembre 2011, le 20; comme équivalent a 1 'PhD' (DOCTOR OF PHILOSOPHY) en sciences informatiques, Son collègue et camarades d'enfances a l'école: "DEREK RAYSIDE"; Renchérit et le modifie en 1 salissure pour des noirs au Canada: "Le terme ABD." !

 C'est à croire que ces 'Canadiens' voulaient me faire assassiner sur tous des plans."

135. **"*09*" *AVRIL* 2024**: "TITO MLARKET SARL (https://)", QUI M'AVAIT PROPOSE FAIRE 1 COMMANDE DE MATÉRIELS INFORMATIQUES Pour mon centre de formation en Informatique (YECEFOIQ), n'arrive pas me les délivrer près 2 Semaines de patiente après 1 première livraison des choses non commandées.

 "LE PASTEUR paul eya", en visite à Capelle Gloire de Christ de Deido, nous a rappelé et enseigné de ré-utiliser des contacts à la chapelle.

29 ÉVÈNEMENTS MARQUANTS (SUITE) – CPDM-RDPC-richard-MFEUGWANG assists ROSE SANGNOU to destroy my life

136. "*11*" *AVRIL* 2024: I have met along my road today, **CPDM-RDPC cad—5 mayor Richard Mfeugwang;** He is supposed to own a transit company named GoTRANS. !

    THIS IDIOT SEEMS NOT TO RECOGNIZE THAT I KNOW HE IS BEHIND ALL MY TROUBLES HERE IN MY FAMILY since this trans-go-projector; cannot recognize that He is only educated up to the 4th YEAR of secondary education compared to a Doctor of Engineering of the ivey-league-US-canada-WATERLOO !

137. "*11*" *AVRIL* 2024: FRANCE de macron, Essaye de rester chez toi avec tes embargos sur des matériaux informatiques américains à Douala; CANCRE !

138. "*19*" *AVRIL* 2024: Ce matin à la quincaillerie ”Le débrouillard” derrière chez moi; sis carrefour ’TITUS-EDZOA-JÉSUS-DE-NAZARETH’ à Simbock, non loin de la chefferie de block;

    2 indics, 1 portant ”1 talkie-walkie” me suivent lorsque je vais re-négocier des prix de tringles pour rideaux.

139. "*20*" *MAI* 2024: 1 amant de Samatha, 1 des filles de Marie (sœur aînée de Léonard); 1 ancienne copine intime de Rose Sangnou ma génitrice; au quartier new-deïdo de Douala.

    Cet indic de gendarmerie portant des lunettes médicales a pris des habitudes de quotidiennement me faire des grands yeux, lorsque je suis sur mes chemins en me rends rendant en visite matinale et / ou quotidienne chez la 2ème femme de mon feu grand-papa maternel; LE regretté ”Jean-NGONGANG”:

    En effet, ce monsieur me questionne de façon muette si bien que je fais des signes de croix chrétiennes aux fins de lui rétorquer que c’est 1 chrétien ne-de-nouveau de JEOVAH-NISSI-AU-CIEL qui s’en aille sans regarder au dedans de son domicile conjugal; Domicile qui n’a aucun portail en ce moment.

    ”PRINCE RAOUL NJONKEP”, 1 jeune oncle maternel consanguin me paraît impliqué dans cette tentative de musellement politique par le biais de fausses accusations en PSY.

    ”IL me semble que l’imbécile d’agent de santé communautaire surnommé ”MBAKO”; de la CUD (Communauté Urbaine de Douala)” que je rencontre déjà régulièrement assis de près où je rachète souvent à crédit de 200 FRANCS aux fins de ne pas vivre avec des pièces d’argent; Est entrain de faire des investigations sur ma vie privée.

140. "*06*" *JUIN* 2024: "Me. ANDRÉ", Huissier de justice, au SED, A demandé que si le soit-disant ”Pasteur Landry” me recontacte par téléphone, Je lui signifie de me dire qu’est ce qu’il me veut de la part de ”YVES LANDRY”.

    IL semblerait que APRES avoir été par effraction a mon domicile bâtit par fonds propres de ma personnes à YDE-AHALA; Ma génitrice et concurrente en affaires ”Rose sangnou”, Essaye de me faire passer pour 1 imposteur auprès des autorités compétentes du CAMEROUN du régime R.D.P.C !

    IL semblerait que ”rose sangnou” couche maritalement avec ”Grégoire owona” puisqu’elle m’avait dit avoir été dans ses résidences privées de son ”village de Gomedzap dans le centre du CAMEROUN” il y’a de ceci environ 2 mois !

141. "*11*" *JUIN* 2024: j’étais rendre visite à ’Waah’ (”KANYOU ANNE”); elle est ma grande-mère par ma mère. J’AI RENCONTRÉ 1 CERTAIN ’Albert ...’, petit-frère de la voisine MA(MAN)-T(HÉRÈSE).

    CE fou avec des cheveux de Psychologue.

    ALBERT-idiot Est entré de façon s urprenante sans sonner ou toquer au portail lorsque je balayais ce sol.

    ALBERT m’a dit être 1 docteur–PH.D. de l’université de Grenoble en France, spécialisé en médecine thérapeutique (JE ME DEMANDE PERSONNELLEMENT SI IL Y’A 1 science médicale Non thérapeutique !!!).

142. "*12*" *JUIN* 2024: ’Albert’ avait dit être en mesure de me redonner 1 contact d’1 docteur enseignant d’informatique de l’université des montagnes de Banekane (BAGANGTE) a l’ouest du Cameroun; Je lui avais pourtant redemande plutôt le contact d’1 enseignant d’informatique de ”l’UY 1” (N.D.L.R.: l’UNIVERSITÉ DE YAOUNDÉ 1) parce que je suis résident a Yaoundé et non a Banakane.

    LE fou ’Albert’ que j’ai rencontre pour* 1 *première fois à Yaoundé, m’a force a faire* 1 *science de psychologie sociale avec lui, Avec* 1 *violence qui n’a plus de nom.

    Et ceci après être entre sans sonner ou toquer au portail lorsque je balayais le sol.

    LE salaud ’Albert ...’ était sûrement là de la part de mon ennemi personne ”Shanda tonme jean claud”e; Membre de l’AEUD, groupe qui promeut les idéaux néo-centristes ’bamilékés-grassfield’ et qui dirige l’université des montagnes dont ’albert ...’ est issue.

    FIN DE CITATION.
    Adieu WAAH.

    PS: Je n’avais jamais su que c’est les ”KEMMEGNI–antoine” qui était derrière mes ennuies de cabanon-pour-fous-force, PAR shanda.

    ”CLEMENTIN DJAMENI tayou”, enseignant de l’université de Dschang ne m’avait pas dit être entrain de raconter des saletés sur moi.

    ”SHANDA TONME” a infesté toute mes familles, pour détruire ma réussite programmée sur terre.

143. "***12***" ***JUIN*** **2024**: Je viens de détruire 1 appareil espion placé juste devant mon domicile.

J'ai constaté que cet appareil Entachait négativement et régulièrement le fonctionnement régulier et sans arrêt de mon téléviseur numérique, ainsi que de mes régulateurs de tension (AVR).

Je soupçonne "ANICET MFEUKEN", 1 ***voisin dont j'ignore la profession réelle; d'être l'auteur de ce "spam" sur*** 1 ***ligne placée juste au dessus de mon portail d'entrée à 'SIMBOCK': c'est lui qui m'avait dit connaître le propriétaire de cette ligne dont j'ignore l'utilisation depuis plus de*** 6 ***ans.***

J'ai constaté la destruction de plus de 3 ***appareils électriques numériques:***

1. ***"***1 ***régulateur de tension (AVR) de*** 5 000 ***Watts".***
2. ***"L'affichage d'***1 ***neuf régulateur de tension Innova de*** 2 000 ***Watts de moins de 3 mois d'age et racheté tout neuf à*** "25 000 ***Francs*"".**
3. ***"***1 ***refroidisseur d'air MIDEA" de plus de*** "80 000 ***Francs***" ***!***
4. ***ADDENDUM-du—November 8, 2024:***

   Cette ligne électrique avec 1 ***appareil espion qui modifie des programmes sur mon téléviseurs numériques sans que je le souhaite appartiendrait à*** "***creolink via COLONEL kemajou*** (https://) " ***datouo therodore.***

   l'information m'a été remis par 1 ***homme trapus, similaire à "***1 ***homme à arme" que je vois régulièrement dégusté des repas frelatés au commerce du bagangte kemajou...***

   IL sillonne cette zone et celle d'en face-Entree-general-etoa-bouba-qui— avec 1 ***corolla toyota rouge.***

144. "***12***" ***JUIN*** **2024**:

Des mon arrivée du supermarché 'Casino', face "Cathédrale Catholique orthodoxe" ce matin, ICI à YDÉ;

2 individus sombres et obscurs occupent la devanture de mon domicile privé de "Ahala-SIMBOCK", DANS LE SOUCIS de reposer 1 appareil espion dans l'enceinte de mon domicile, Sur 1 câble dont j'ignore l'entreprise ou l'organisme gouvernemental propriétaire !

JE soupçonne 1 manœuvre qui vise à me faire incarcérer pour 1 cabanon pour fous de "l'hôpital JAMÔT de YDÉ", ORGANISÉE par "DATOUO et compagnie".

Surtout que j'ai été salué lorsque je me rendais chez mon client pilote "N.K (Nestor Kenfack) quincaillerie" pour le dépannage de son "ordinateur portable-LENOVO-thinkpad-T460"; Par la "brute de gendarmerie COLONEL KEMAJOU".

CE colonel ne me remarque plus puisque il m'avait réitéré de RESTER CHEZ MOI ET LUI AUSSI QU'IL RESTERAIT CHEZ LUI.

145. "***14***" ***JUIN*** **2024**:

"Monsieur Onguéné", ancien directeur d'exploitation de S2TBED était entrain de remettre des ordures juste à l'entrée de mes domiciles sis AHALA–Simbock !

Ce goujat de tribalisme m'avait il y'a de ceci 2 ans environ tancé de retourner chez "DES BLANCS" vivre puisque lui, "ONGUÉNÉ, du centre et du littoral du Cameroun", n'appréciait pas ma façon et manière de voir la vie, BIEN QUE CETTE MANIÈRE ET FAÇON est conforme aux lois en vigueur au "CMR".

"ONGUÉNÉ" était arrivé à YDE juste 1 journée après mon arrivée de Douala, comme s'il était entrain de me faire suivre et espionner pour que je ne puisse pas être à mon aise et conforme aux lois de la république du CMR.

Ce même "Monsieur Onguéné", natif du centre et originaire du Littoral ("Nkongsamba"); m'a même fait la proposition 1 fois de me donner sa fille en mariage; bien que "Monsieur Onguéné" sache que je suis 1 célibataire sans enfants physiques éternellement comme mon père aux cieux "JEOVAH–NISSI, aussi dit JESUS–DE–NAZARETH".

"ONGUÉNÉ", fervent supporteur de "biya–franck", serait celui la qui détruit la vie des Camerounais retournés chez eux pour participer à l'amélioration de leurs conditions de vies villageoises OU BIEN !!!

JE soupçonne même le R.D.P.C d'avoir 1 équipe spéciale contre ma vie, aux vues des évènements malheureux à mon encontre ces 3 dernières années.

MENGUÉNÉ (Mvindi laure: n.d.l.r: psy chargée de détruire la vie des républicains dans le sud du cameroun.) et "ONGUÉNÉ" seraient sûrement des cousins du village contre L'INTELLIGENTSIA originaire de l'ouest Cameroun !!! En effet, "Onguéné" a fait 1 ***fois allusion à moi; "pr. dr. xavier noundou" n'étant pas saint mentalement, devant*** 1 ***parterre d'au moins*** 8 ***personnes originaires de tout rebord du CMR–natal–Et–VÉCU–DANS la misère intellectuelle.***

146. "***14***" ***JUIN*** **2024**:

1 caissière de "Casino supermarché" à YDE, a eu l'amabilité, de me rembourser avec 1 surplus de 200 FRANCS.

En effet, "je devrais retourner 1 ticket de 175 FRANCS de monnaie non rendue la dernière fois" que j'y ai fait des achats; JE ne retrouvais plus ce ticket de 175 FRANCS vieux de plus de 3 mois.

147. *"20" Juin* **2024**:
”ONGUÉNÉ” a fait placer des plantes avec graines de mauvaises herbes exactement à l’entrée de mes appartements; Ou j’ai eu à pulvériser des herbicides il y’a de ceci 4 jours maintenant.

JE conclus que c’est la bande a FRANCK–biya; Puisque ”M. ONGUÉNÉ” m’AVAIT dit être 1–”FRANCKISTE”.

148. Le fainéant de la milice privée de ”biya-mvondo-rdpc”; LUC–indic me fait suivre par des vaux-rien soit-disant que je suis entrain de marcher avec 1 SAINTE–BIBLE en main.

À croire que des indigènes (”Paulette AZEFA”, celle qui a essayée de me faire assassiner en "Janvier 2024 par sa putain de fille ”Aline AZEFA”"; J’ignore qui sont ces ”DSCHANG–bamilekes” qui vivent de vols et de raquettes à YDE.) n’ont rien à faire dans 1 monde extrêmement développé.

J’ai essuyé déjà 1 agression physique manquée au carrefour "Tradex-Barrière" par 1 membre de la même milice R.D.P.C.

J’empêcherais ainsi leurs opérations de satanisme en plein jour !!! ALLÉLUIA. Amen !!!

149. *"21" Juin* **2024**: “”Le professeur THOMAS djotio ndie” de l’école polytechnique de Yaoundé vient de me recommander, moi, titulaire d’1 doctorat–PH.D. en électricité Et informatique de l’université de waterloo en ontario au canada de postuler pour 1 emploi de vacataire au sein de ce fallacieux établissement du fait de lui (E.N.S.P.Y), gérer par 1 normalien qui n’aurait reçu aucune formation d’ingénierie !

“ Aussi, je lui ai fait part de ma connaissance du professeur Clémentin Djameni Tayou de l’université de Dschang.“

“ Aussi, Comment ”Clémentin Tayou Djameni” qui m’avait fait repayer 1 ticket de train à grande vitesse partant de Bremen (Allemagne) pour Rennes (France) vers des années 2004, ”sur invitation du professeur Gilbert TCHINDO”, ne m’a plus jamais recontacté malgré mes multiples actions dans ce sens.‘

150. *"22" Juin* **2024**: LE pousseur ”ANDERSON kensop” est venu chez moi pour quémander du sable fin aux fins de crépir 1 véranda dans son bidon ville.

1 escouade de gendarmes et policiers, armés jusqu’aux dents est arrivée au carrefour "derrière–Savonnerie–nosa" hier sur plusieurs "véhicules $4x4$".

’L’INDIC de gendarmerie à moto rouge et de la tribu boulou’ et très clair de teint dont j’ignore des identifications avait déjà été aimable en me transportant sur ”sa moto lorsque je patientais pour Carrefour–Tradex–AHALA”.

151. *"23" Juin* **2024**: ”STEEVE azefa” ÉTAIT ACCOMPAGNÉ D’1 PETIT GARNEMENT CET APRÈS-MIDI lorsque je les ai observé mettre quelques pierres et morceaux de bois devant mon domicile de YDE-ahala.

JE M’ÉTONNE de constater ce 29 JUIN 2024 QUE depuis que j’ai attrapé en flagrant délit de salissure ONGUÉNE de S2TBED; c’est maintenant les AZEFA-satan-dschang-bamilekes-voyou Q’il (S2TBED) envoie faire des saletés au devant de mes routes principales menant à mes appartements QU’ILS (VOYOU-BIYA-CONSORT-ouest-kemajou) Convoitent !

JE Commence à penser que mon sous-développement actuel environnemental viendrait de l’italien MARCO-sale-type-dario-Siemens qui les pilote.

1 policier du 19 ème arrondissement (AHALA), avec 1 crâne rasé est très récurrent sur ma route.

Cet idiot était 1 fois ici il y’a de ceci environ 3 mois avec 1 indic qui a essayé (Sans la présence de ce flic véreux), de pénétrer sur 1 terrain de notre concession NOUNDOU; Bien qu’elle soit clôturé de 3 cotés;

”TCHABAT BASILE le géomètre de mes terrains NOUNDOU” avait dit que personne ne pourrait s’installer ou pénétrer dans 1 terrain clôturé à au moins 3 cotés selon des lois camerounaise.

”KEMAJOU, le colonel de gendarmerie a essayé de m’interpeller cet après-midi lorsque je circulai au devant de ses domiciles sur 1 route ouverte au public.”

152. *"01" Juillet* **2024**: ”Rose sangnou la chienne de génitrice de ma personne” est entrée par effraction chez moi à YDE–Ahala avec 1 énergumène sale comme les déchets du caca.”

”S2TBED présidentielle dérange des jeunes camerounais dans leurs entreprises de nouvelles technologies avec des senteurs de vieux bois frauduleux.”

”L’idiot de S2TBED–moise–chauffeur–caterpillar ose encore me suivre sur 1 piste que j’ai decide d’emprunter pour ne plus aller dans le sens de dégueneurs travailleurs de S2TBED–biya.”

153. *"01" Juillet* **2024**: ”LE MAÇON frauduleux et cambrioleur de ’HADASSAH’ et consort n’a plus réessayé de me rappeler pour me faire incarcérer dans 1 cabanon de fous (torture).”

154. *"02" Juillet* **2024**: ”’PAULETTE azefa” a apparemment rachetée des 6 sacs de ciments de mon chantier par l’intermédiaire de l’éraflure de psy JOEL.”

“”PAULETTE azefa” Est apparemment juste ici chez mon voisinage pour faire des raccommodages des déchets des voisins aux fins de subvenir aux besoins de ses enfants! En effet, ”PAULETTE” azefa ne mène aucune activité lucrative en dehors du vol de biens des voisins pour vivre i‘

“”PAULETTE azefa” A fait détruire le mur d’1 concession ”NOUNDOU-batchieu” par 1 certain ”PIERRE foka” par 1 intrusion des bouts de bois sur le mur mitoyen appartenant à ”DEMO Noundou” i‘

155. ***"03" Juillet* 2024**: ”Le commissaire de gente féminine du commissariat de Ahala m'a fait savoir qu'elle devait faire comprendre à 6 79 73 13 62 (1 certain pasteur–landry de ne plus me rappeler !”

156. ***"04" Juillet* 2024**: ”Mon prêt initial de ”25 000 Francs” chez ”MoMo–kash” ne fait que s'augmenter sans que le délai du "14 Juillet 2024" ne soit arrivé comme fin du délai de remboursement avec force.”

”Mon manquant final de ”1 237 Francs” se rallonge à près de ”5 000 $textF$” juste après avoir reversé ”1 300 F” après 1 conversation de présentation du service ”MoMo–kash” à ”Guttemberg TCHAMAHA NTAATA”, 1 cousin germain paternel.”

157. ***"05" Juillet* 2024**: ”Ma voisine sale comme la peste "Mani Théodore Datouo Kemajou Gendarmerie, Commissariat du 19ème de Ahala" (Paulette azefa); a recommencé à positionner des herbes moisies sur les rebords de la route publique aux fins de pratique de sorcelleries “léviathan.“”

”Cette sorcière de l'ouest fait des remous partout où j'entre et je sors pour essayer de démontrer 1 affinité avec moi; AUX fins de sorcellerie villageoises de Dschang.”

158. ***"06" Juillet* 2024**: ”CHRISTELLE kamaha”, jeune employée de 22 ans de "QUINCAILLERIE N.K." est apparemment du secrétariat d'état à la défense (SED).”

159. ***LUNDI "08" Juillet* 2024**: ”Je viens de retrousser des bretelles à la présidence de la république du cameroun au sujet de mes appartements dans locataires depuis plus de 10 mois, Par son excellence oncle de moi Ministre plénipotentiaire, et assassin de Théo-NOUMBISSI.”

160. ***Mardi "09" Juillet* 2024**: ”Rose sangnou–génitrice–de–moi, m'a redemandée d'aller à la ”Poissonnerie Plus”, du ”fondateur NESTOR kenfack”; Dont je suis 1 fournisseur en progiciel de gestion intégré **YErith-ERP–**9.0**–platinum**; D'aller y faire des achats d'1 montant d'environ "'10 000 Francs"' !”

”**YErith-ERP–**9.0**–platinum** A été agréé cette semaine à Quincaillerie n.k, Puisque aucun incident n'est survenue ni sur l'ordinateur d'occasion de "35 000 Francs" acheté par Startup–Yerith R&D; Ni sur le progiciel de gestion intégré (PGI–ERP) en soi; NATURELLEMENT des désirs portant sur 1 plus simple ré–utilisation du PGI–ERP ont été émis par LE FONDATEUR N.K !”

”J'ai naturellement émis le souhait de notre entreprise de recevoir 1 minimum de "10 000 Francs" pour la réactualisation de l'ERP–PGI puisque le prix de rachat que Nestor-kenfack avait reverse a été revu drastiquement à la baisse, passant de "130 000 Francs" / utilisateur à "20 000 Francs" / utilisateur.”

”Laurent tchandeu–chien, Ministre plénipotentiaire ”R.D.P.C–ayolo–mvondo–cuon”; est entrain de vouloir détruire mes entreprises entrepreneuriales en s'introduisant partout où j'entre pour affaires ou pas.”

”LANDRY-yves-etoga-galax Est 1 conjoint de tchandeu.”

161. ***Mardi "09" Juillet* 2024**: ”JEAN–Mouabeb, DE regretté mémoire à l'hôtel TOU–NGOU de yaoundé; Où il était envoyé par "Ministre-plénipotentiaire–Laurent-tchandeu" me 'désocer' (sodomiser les anus et fesses). Pour "30 000 Francs" venant de L'oncle-yves-galax-landry-etoga-TCHANDEU !”

”TEUNTCHOU ISAAC essaye maintenant de faire entrer 1 peu d'argent dans ma bâtisse de YDÉ par l'entremise de ma sœur cadette ~~ennemi~~ utérine ”Ingrid Teuntchou Noumeni (née Ingrid TCHITCHUI Noumbissi)” !”

”L'objectif visé est de me faire sodomiser chez moi sur tous les plans !”

162. ***Mardi "10" Juillet* 2024**: 1 **certain ”pasteur landry etoga galax” est entré par effraction à mon domicile de YDÉ-ahala, en FORÇENANT ma génitrice Rose SANGNOU avec** 1 **arme–à–feu.**

J'AI constaté immédiatement des lézards venimeux dans ma concession.

JE soupçonne 1 **beau-frère de Rose SANGNOU, en l'occurrence le ”SED–secretaire-detat-a-la-defense”; ”Dr. WOLFGANG-fernand-junior-Owona”.**

”Ce fainéant, dont l'idiot DE SON BEAU-FRÈRE patrice cabral shanda-sanou de regretté mémoire avait dit être extrêmement violent en soi.”

CE rdpc-ciste de ”Dr. WOLFGANG-fernand-junior-Owona”; N'a pas encore digéré avoir essayé de m'assassiner en Février 2021 chez moi à la cité-des-palmiers.

FEU-JOSEPH-fainéant-owona était déjà entrain d'essayer de me faire empoisonner par son fils fainéant de matthias–owona–nguini LORS DE MON SÉJOUR DE VACANCES ici a YDE en l'an 2011**; Juste après que j'ai passé mon “Doctor–Ph.D. en Électricité et Informatique de l'université de waterloo“.**

J'étais alors accompagné principalement du fainéant du nom de Jules-Nteta-NOUNDOU; frère consanguin a mon feu géniteur et papa: IDIOT–THEO-NOUMBISSI.

”L'IGNARE célestin puene”, ami utérin intime de JULES-nteta-noundou était aussi présent a nos cotes à ce restaurant situé au Carrefour—WARDA.

”CÉLESTIN puene” est naturellement 1 vendeur de cocaïne à la solde de BIYA . . . .

163. ***Mardi "10" Juillet* 2024**: **BIYA-avorton; a essayé de me faire comprendre qu'il est** 1 **seigneur de guerre et non** 1 **civil par des gangs qui sont entrés de force dans** 1 **concession ”batchieu–NOUNDOU” dont je suis supposé veiller sur, de part mon voisinage le plus proche par rapport à l'incestueux avocat DE ”batoula-moise-Yamkam-Tebiwo”.**

164. ***Mercredi "17" Juillet* 2024**: **Je suis certains que maboma-juge-idiot-chien-de-galax-sed n'était plus très satisfait de ce qu'1 originaire de l'OUEST du CMR Soit plus indiquée à la présidence de la république que Esso-chien-de—-TCHANDEU-laurent !**

165. ***Mercredi "17" Juillet* 2024**: **"YVES landry etoga-salaud" a renvoyé dans la nuit 1 idiot pour détruire le tuyau connectant ma pompe à eau à mon cubitainer !**

"J'ai été chez GUTTEMBERG taata aujourd'hui matin et j'ai vu que sa belle-mère était entrain de pratiquer 1 sorcellerie car Elle avait de l'encens dans 1 petite marmite au milieu du grand salon pour personnes en visite" !

166. ***Mercredi "18" Juillet* 2024**: **"L'idiote à punk venant de la part YVES-LANDRY-etoga a pensé me faire ombrage en ce qui concerne mes travaux de recherche sur 1 progiciel de gestion intégré en web !**

167. ***Dimanche "21" Juillet* 2024**: 1 brigand vêtu de tout noir dans 1 véhicule banalisé de marque "Toyota corolla" s'arrête en pleine chaussée, sur le rebord lorsque je traverse 1 route jouxtant "l'entrée principale du général d'armée camerounaise BOUBA" ...!

168. ***JEUDI "25" Juillet* 2024**: "Datouo, KEMAJOU" est allé faire des faux documents disant que je suis 1 schizophrène, Puisque il ne sait même plus où je vis.

"Rose SANGNOU" ma génitrice m'avait déjà redemandée de ne plus entretenir des conversations et / ou liens amicaux avec cet individu d'1 violence terrible Puisque ancien militaire de rang à l'Ouest du Cameroun du COMMANDEMENT OPÉRATIONNEL. ELLE s'était plaint de ses appels téléphoniques incessant sur sa ligne MTN !

"Rose SANGNOU" a fait des efforts pour me fournir "5 000 **Francs**" ce jour–ci.

169. ***Lundi "29" Juillet* 2024**: "JE m'engage à déverrouiller en apprentissage la jeune et insouciante "Christelle AKAMBA", nouvelle employée de l'ancien client Quincaillerie N.K." !

170. ***Lundi "12" Août* 2024**: "L'énergumène de junior-bamkoui; 1 petit type très court et très nerveux, Qui parraine le gang de malfaiteurs (malfrats) fondé par "PAULETTE azefa; est aux arrêts par mes paroles ! " !

AZEFA a des soutiens "vietkong venant de Datouo par FRANCK–biya–s2tbed". CE gang sévit dans les zones de barrières–simbock–ahala.

CETTE bande appartenant au gendarmes BAMKOUI–datouo–KEMAJOU est au cerveau d'1 réseau de vols aggravés par menaces sur personnes physiques que j'ai éprouvé par la tentative de vente d'1 frigidaire personnel de chambre au "Montant de "50 000 Francs"" à 1 certain "Georges–chien–ANDERSON-njougep".

EN prélude à cette tentative de vols aggraves, ROSE-sangnou-génitrice; m'avertissait d'1 petit dérangement qu'elle peut faire par sa sœur de bankepche–bangou, en l'occurrence la renommée "NJOUGEP–malfrat–peg"; En effet, elle est allée se renseigner sur mes transactions financières aux fins d'opposer 1 rentrée d'argent dans mes poches !

Naturellement tout ceci est sous-organise par "LE PROFESSEUR jean-claude-SALAUD-tonme" de "MENJIE-bangou".

TOUS ces signalements sont faits dans le but d'entraver la MARCHE DE LA JUSTICE dans le cadre de l'information judiciaire sur la tentative d'assassinat que j'ai subit en FÉVRIER 2021 dans la nuit aux alentours de 23 : 30 à mon domicile prive au quartier BÉEDI–DLA.

171. ***Lundi "12" Août* 2024**: " 1 petit bandit de capitaine-mbida de la "DSP-Division-de-la-sécurité-présidentielle vêtu de bleu tricot+jean" me regarde menaçant du visage lorsque je me déplace sur le chemin–route menant a mon domicile pas très loin de cette maudite maison des hommes avec des armes a feu en milieu de ville–civile.

JE soupçonne déjà mvondo–capitaine-emanè-nkoa-pierre-marcelin; AUSSI "rattacher à manawabe par le BIR-bataillon-d'intervention-rapide;" de rechercher à me faire assassiner PUISQUE dans mes rédactions précédentes et mon curriculum vitae ci-dessus en Anglais, j'ai déjà raconté tout ce qu'il m'a fait subir comme sévices racistes–tribales–boulu de CHIENS–nauséabonds !!

"SA sœur cadette mado" qui travaille chez etoga, m'a même déjà fait agressé par 1 homme d'1 taille de plus de 2 mètres 30 centimètres.

"SA sœur cadette mado" EST la concubine de capitaine-mbida; ET 1 gendarme en service au SED–sécrétariat-d'état-à-la-défense.

172. ***Samedi "24" Août* 2024**: "Colonel KEMAJOU" est en infraction sur 1 terrain de la CUY–Communauté Urbaine DE Yaoundé.

En effet, ce "sodomiseur" occupe 1 terrain que la Communauté Urbaine de Yaoundé a redemandée de détruire depuis Fevrier de cette année !

CET énergumène a même fait construire 1 escalier de béton à l'endroit de cet espace public où j'ai l'habitude de repasser pour inspecter l'évolution des travaux de réaménagements de la CUY; PUISQUE je suis 1 riverain à qui ceci serait bénéfique.

LA quantité de malfaiteurs installés près de "colonel KEMAJOU" prête à confusion; on dirait qu'il entretient des bandits ou bien comment !

173. ***JEUDI "22" Août* 2024**: “1 monsieur du sed–ndlr-secrétariat-détat-à-ladéfense vêtu d’1 ensemble sport gris, ou bien j’ai oublié la couleur; VIENT me perturber pendant que je relie quelques versets bibliques dans mon petit coin seul; En pleine bordure de rue; SANS gêner personne dans ses routes et autres.“

L’ignare vient discutailler sur son ordinateur téléphone mobile à très haute voix; JUSTE derrière moi qui suis assis.

LORSQUE l’on a raté sa vie honnête, on essaye d’aller faire des inquisitions (accusations mensongères contre des homme de ”JEOVAH-NISSI-AU-CIEL”).

174. ***Samedi "26" Août* 2024**: “Une dame de la police camerounaise en service à Yaoundé a redemandée "500 Francs" a mon oncle–cousin GUTTEMBERG–tchamaha lors d’1 contrôle inopiné de pièce d’identité et de circulation.“

NOUS (guttemberg tchamaha ntaata et son épouse MARCELLE–marie-tchamaha; ainsi que leur fils MAXIME) du marché ”Mokolo”

Une policière ayant 1 salaire minimal de "130 000 Francs" redemandant "500 Francs" à 1 ménagère ayant 5 enfants à charge et vivant de commerce au collège ”JÉSUS-MARIE” de l’église catholique orthodoxe de SIMBOCK; n’est ce pas aberrant !!!.

JE n’ai pas eu de possibilité de relire le nom et le grade de cette fonctionnaire de police d’1 système assez similaire a MAXIME–napoa-eteme en service a la base navale de DOUALA; Et scandant être en service ”au sémil–ndlr.Sécurité-MILITAIRE”

JE serais 1 petit peu choqué que ce monsieur dont 1 des filles officielles BRENDA-eyenga-biya...; redemande à briguer 1 nouveau: Surtout qu’il à déjà passe près de 55 ans dans 2 gouvernements camerounais !!! fin ce citation.

MOI, président de mes générations descendantes; je pense être mieux qualifié pour régir la position de magistrat suprême; Sans permettre que des agents du secrétariat d’état (SED) à la défense vienne par effraction au domicile d’1 diplômé de la meilleure université canadienne ontarienne en informatique de génie; POUR l’emmener de force à 23 heures 30 minutes par ”Laquintinie–assassins”.

Quand je repense n’avoir jamais vu des points de développement sur le plan numérique dans le site web–internet du président paul-biya-du-renouveau ”macronien” qui parle de l’informatisation !!!

175. ***Mercredi "28" Août* 2024**: “J’étais en compagnie du plombier–bir Francis Come MAGLOIRE nkoulou.“

”J’ai été prévenu de ne plus le rechercher PUISQU’IL peut me faire avoir des ennuies de psy VERS son copain utérin ”psychologue ALAIN ELAME chien”; psy-de-torture au Cameroun–inofficiel !”.

”J’avais reçu l’agression de mes domiciles par 1 génitrice ré-utilisée par rose–croix-AMORC; En vue de me faire mettre en psy de force avec 1 certain pasteur–landry–etoge–SED-drogue”.

”L’idiot de siemeni fabrice pense qu’il peut me rendre moins opulent en arrêtant mes revenues financiers par etoga le chef idiot du secretariat d’etat a la defense; ROSE sangnou me re–annonce qu’elle sera encore a YAOUNDE apres que je l’ai rencontre il y’a seulement 2-semaines de ceci.”.

176. ***Vendredi "30" Août* 2024**: “J’ai discutaillé avec le ”DQP–diplôme de qualification professionnelle en INFORMATIQUE marie-rose ondomo” ce jour en présence de SERGE.“

J’ai recommandé 1 ordinateur portable de marque Lenovo série de fabrication ’T–thinkpad’ d’1 montant de "70 000 Francs".

177. ***Vendredi "06" SEPTEMBRE* 2024**: “J’ai redemandé à ”nestor kenfack” de ne plus se mêler des affaires personnelles me concernant sans mon avis et accord.“

Cet idiot de commerçant de Panurge: ”nestor kenfack”; IL ne sait plus même se limiter à son petit commerce !

178. ***mardi "17" Septembre* 2024**: “”Mbouwe”–chien marius supposément être 1 technicien de froids et chauffage parait être plutôt 1 sapeur pompier de l’armée; Puisque j’ai observé 1 monsieur en treillis orange de l’armée peu après que je sois ressorti de chez moi pour retourner chez NESTOR-kenfack de QUINCAILLERIE-N.K à Barrière–tradax–ahala–YDE. ! “

Mbouwe est vêtu d’1 boucle d’oreille or aussi.

Cette boutique avait prétendue réparer mon refroidisseur d’air acquéri à ”HISENSE-midea-Akwa-DLA”. MAIS après 1 semaine d’utilisation; LE même problème d’éteinte subit s’est produit.

179. ***mardi "26" Septembre* 2024**: 1 ***dame cherchait atrocement a me tancer dans*** 1 ***discussion verbale hier lorsque j’étais chez mon client ’N.K–quincaillerie-cuon’ pour effectuer*** 1 ***importation de près de*** 300 ***stocks par le biais de scripts en AWK–bash–criptés.***

”NGATCHOU–henri–bertrand” le transsexuel initié à la chose par ”richard-mfeugwang” devrait être à l’initiative de cette tentative d’inquisition pour prétexter 1 ***énervement ou tout autre chose aux fins d’infirmer que je sois libre dans ma vie mentale et intellectuelle !***

CE rosicrucien logé à ”édéa” et détenteur d’un b.e.p.c–ndlr.—brevet-d’études-du-1***er-cycle et déjà vice-président du R.D.P.C à bangou a sûrement reçu de l’argent de l’esclavagiste anglo-saxon–neerlandais ”FRANK-tip (***`https://www.ftip.org`***)”; AUX fins que je ne puisse avoir du succès de mes entreprises en informatique; PUISQUE je suis*** 1 ***concurrent et adversaire direct de INTERNATIONAL BUSINESS MACHINERY–ibm.***

"***N’EUT été la vigilance du commissaire-véreux de police MARIE, du*** 4***ème arrondissement de DOUALA, ”FRANK-tip (***`https://www.ftip.org`***)” m’aurait fait perdre près de*** "210 000 ***Francs***" ***par le fainéant et homosexuel entouré de*** 6 ***pédé de femmes TITO–market.***"

180. ***SAMEDI "14" Septembre* 2024**: "JE SOUPÇONNE 1 vendeuse de la ville de YAOUNDÉ, dont j'ignore des identifications; DE vouloir me faire emprisonner comme ~~déficient mental~~ PUISQUE elle et son mari sont au "sécrétariat-d'état à la défense" comme assassin (AGENT DE RENSEIGNEMENT) i'

   "Cette dame, aux seins atrocement énormes avait essayé de faire connaissance avec moi sur le plan personnel en me racontant des ragots selon lesquels son frère cadet serait doctorant à l'université de "Dschang–OUEST–idiots–ekang–KEMAJOU-salaud-bandits-voleurs–SHANDA–NDjatie–Tonme-bangou-idiot""

   "Puisque j'ai observé 1 putaine qui vendait près d'1 lieu où j'ai subi 1 arrestation illégale m'observer ce matin lorsque je suis arrivé 1 peu avant pour faire 1 retrait ORANGE–money."

   "LA sale mercedes du voisin indélicat du sed–anicet–idiot–mfeuken était mal garé lorsque je repassais par ce chemin jouxtant 1 chemin de fer de la ville de YAOUNDÉ cet après-midi."

   ""KEMAJOU–idiot colonel de gendarmerie–GP–sed" avait déjà essayé de m'accoster lorsque je repassais dans cette boutique mal—famé malgré ma propre personne il y'a de ceci 3 mois; SON fils handicapé de naissance et aussi membre du gang SED–yves–landry–etoga passe de temps à autre par ce chemin sans se faire remarquer; Sûrement pour voir et suivre l'avancée des travaux de tentatives d'incarcération illégale venant de cette dame "DSCHANG-au-mari-fainéant-etoga–sed–centre–ekang–AMOUGOU-belinga–chien–cuon"."

   "~~ANICET mfeuken~~, dont j'ignore l'activité réelle, mais qui a essayé de se faire repasser pour 1 informaticien au marché central de YDE en infographie serait en réalité 1 assassin à la joug du fainéant CLAUDE–indic–etoga–galax i'

   "1–vendeur originaire de l'ouest a aussi été posté à l'entrée de SANTA–lucia ou je fait des achats; Et où je me tiens souvent en attente de rencontrer des potentiels clients; Ce monsieur est vendeur de sous-vêtements et est la pour faire des observations et essayer de me faire passer pour quelqu'1n d'anormal aux fins de ternir mon image d'intellectuel NON "HOMOSEXUEL–kemajou-nyando-gendarmerie–idiot–bandit–a–main–arme""

   "L'objectif final étant de me faire humilier en public aux fins d'effrayer tous ceux comme moi qui rapportent des réalités de la dictature R.D.P.C–au cameroon et à l'étranger par des indics tels que TCHANDEU–laurent, mon oncle paternel et assassin de mon défunt papa "théodore–noumbissi–pd–rosicrucien"."

   "J'évoque et j'invoque le PSAUME–18 de "jeovah–nissi–au–ciel" Pour me faire venger par le SEIGNEUR–des–non–homosexuels-brutaux–couples de partouzeurs angéla–wolfgang–fainéant !!."

   "DES "ekang–béti–etoga–sed" épousent des filles de L'OUEST pour faire des sales besognes sur des ressortissants originaires de cette région; Comme ANGELA-ma cousine utérine qui a épousé "WOLFGANG-junior–owona–fernand" et qui a essayé de me faire assassiner par le "B.I.R–sed–EYOUM-christian-rotary–club" en Février 2021 à Douala !! "

181. ***SAMEDI "10" OCTOBRE* 2024**: 1 dame vêtu d'1 robe longue de couleur pagne maronne semble être entrain de me faire des inquisitions sur mes chemins PUISQUE je l'ai Rencontré 2 fois au minimum cette semaine.

   LA 2ème fois, elle était acoompagnée de 3 ou 4 personnes faisant semblant de faire 1 interview–reportage.

   JE soupçonne "SHANDA–tonme", Agent-secret espion américain; ET à la solde de "MICROSOFT RESEARCH", d'essayer pour besoin de gains financiers, de me faire des humiliations et destructions publiques.

   AVANT ceci, 2 personnes ont essayé de m'accoster alors que j'étais dans 1 petit restaurant de "N.K.–Quincaillerie"; ET dans les locaux de "N.K.–Quincaillerie" respectivement.

   Le métier des membres des familles où SHANDA-tonme est entré pour faire des assassinats des élites intellectuelles camerounaises est devenue des ASSASSINS.

   JULES-nteta noundou par exemple passe par CElestin-PUENE-faineant-du-SED-yves-galax-landry-etoga pour essayer de gêner mes travaux de constructions et de ré-aménagements.

182. ***Dimanche "13" Octobre* 2024**: JE rencontre l'illétré de atanga nji...; Dont J'ignore des prénoms dans 1 supermarché de la ville de Yaoundé lorsque je vais faire des EINKAUFEN.

   Cette année 2024, je n'ai pas encore été agressé injustement par SHANDA-atange-nji-corrompus pédé.

183. ***JEUDI "17" Octobre* 2024**: ***Mme IRÈNE seumo NGantchui, Épse BETEHE, apparemment chargé de clientèle a la nouvelle agence "CommercialBank; AHALA 3ème arrondissement de YAOUNDÉ" m'a permis de pouvoir lui fournir des éléments suivants pour l'obtention d'*1 *compte bancaire de type épargne dans sa nouvelle et somptueuse institution.***

   1.) 1 ***CNI;***
   2.) ~~1 ***facture d'électricité et*** / OU D'EAU~~ ;
   3.) 1 ***preuve de revenu;***
   4.) 1 ***carte photo*** 4x4***;***
   5.) 1 ***plan de localisation;***
   6.) 1 ***justificatif professionnel.***

   JE m'évertue dès ce jour du JEUDI 17 ***OCTOBRE*** 2024 ***à réunir et à fournir ces*** 6 ***éléments aux fins de pourvoir faire des épargnes de nouveau grâce à l'activité des ventes de progiciels de gestion intégré.***

   JE remercie vivement son collaborateur "MONSIEUR Charles NDJATAN", dont j'ignore des niveaux de compétences académiques qui m'a recu et avec qui j'ai parlé en détails de mes projets d'investissements dans la communauté urbaine de YAOUNDÉ; au lieu dit : "Derrière savonnerie nosa; face 2ème ***entrée société de transformations des bois du Mbang S2TBED".***

184. *JEUDI "17" Octobre 2024: J'ai été à Douala ce "12 – 13 Octobre 2024"; J'ai rencontré Synclaire NJEUTCHA tchana; Avocat et conseil de mon humble personne; Sans succès j'ai essayé de Dormir à la cité-des-palmiers; AU domicile de ROSE sangnou.*

Je suis retourné avec "9 600 Francs" remis par mon numéro ORANGE–money (6 97 19 49 06) par Monsieur NOUNDOU-koliou; Frère "junior de mon défunt papa et géniteur Noumbissi Théodore".

185. *JEUDI "17" Octobre 2024: Mme IRÈNE seumo NGantchui, Épse BETEHE, a aussi préférée avoir 2 assistantes vêtues d'uniforme Bleue–Orange à l'entrée de son bureau et aussi présent à ma sortie de son bureau;*

JE ne suis pas certain si ce luxueux établissements avait des caméras de surveillance partout où j'étais présent; Mais je le pense très certainement vue le très haut–niveau d'équippements mobiliers et actualisés !

FÉLICITATIONS À "CommercialBank–CAMEROON"

CES assistantes m'ont parues être 1 sécurité interne; Additionnel à la sécurité externe de gardiens vêtus de treillis-uniformes de couleur jaune.

186. *JEUDI "17" Octobre 2024: CECI "m'a fait me souvenir" de mon escapade À LA CLINIQUE DU docteur–verreux Francis–NGADJEU; Puisque il avait promis de faire signer 1 contrat de "50 000 Francs" mensuel pour le rachat de 5 copies de mon progiciel de gestion intégré YERITH–ERP–PGI–9.0; Puis il ne l'a plus exécuté; Nonobstant mon acharnement à le servir très professionnellement dans ses locaux de Douala–DEÏDO; Sis DEÏdo–PLAGE !*

ILS étaient 2 hommes plutôt assermentés à la sécurité interne des locaux de son LUXUEUX APPARTEMENT–CLINIQUES-PRIVÉES !

187. *JEUDI "21" Octobre 2024: JE reviens de ISTIAM–institut-d'inquisition de santé; Qui passe le clair de son temps à rédigé des rapports sur des riverains au lieu de former des étudiants en sciences médicales et sciences informatiques tels que proclamés dans leurs prospectus.*

Cette mégère nommée NANA ne sait même plus que l'on ne se masse pas des pieds nus dans 1 bureau ouvert au grand public sur 1 rue publique en pleine construction ce 21 Octobre 2024.

J'AI eu ouï–dire que nana-la-mégère disait à Carole mangue; Sa cousine qui est vendeuse de beignets et de haricots que si j'emprunte des beignets parce que je ne suis pas solvable; Je serais 1 démuni social (dont 1 thérapie pourrait m'aider à revenir à la normalité du mariage homosexuel tel que proclamé en ROMAINS 2; 26 – 28 de la BIBLE PAROLE DE VIE (version AMIS POUR TOUJOURS)) !

J'AI aussi ouï–dire que son père Monsieur GUIMEYA serait affilié au garage de mécanique automobile ouvert juste sur 1 rebord du rail; A moins de 2 mètres du chemin de fer YAOUNDE–douala.

" *JE pense ne plus être à cet institut aux allures de prévarications sur des vies humaines à la rose-croix d'or de Monsieur GUIMEYA.* "

NANA en passant m'avait toisée la dernière fois que je m'y suis rendue pour rencontrer GUIMEYA; Sans que je sache le pourquoi: affaire de femelles. ....

188. *JEUDI "25" OCTOBRE 2024: JE suis allé à la rencontre de Marie–Marcelle TCHAMAHA ce jour–ci; Ne l'ayant pas d'abord rencontré à son poste de travail au collège Jésus–Marie de Simbock; JE me suis rendu dans 1 lieu de beignets–infecte qui m'avait été demontré par ~~GUTTEMBERG ntaata tchamaha~~;*

CE lieu m'a permis de prendre des beignets, haricots–rouges; et BOUILLIE-citron pour 1 montant total de "500 Francs"; Ensuite je suis revenue déposé cet argent tel que je l'avais promis 1–heure auparavant; Puisque ~~GUTTEMBERG tchamaha ntaata~~; MON cousin utérin paternel m'avait dit la 1ère fois que c'est ce que lui même avait fait lorsque nous avons dîné ensemble vers 11 heures dans ce lieu extrêmement infecte.

J'ai parlé de mes personnes officielles à cette jeune dame dont j'avais oublié des prénoms et noms; En lui rappelant que c'est TCHAMAHA-sed–yves–landry–etoga qui m'y avait introduit sous forme MANGER–pret–rembourser 1 matin lors d'1 de mes escapades sportives;

Je ne sais plus si je peux revenir à cet endroit PUISQUE plusieurs hommes d'1 augure très suspecte sont entrés lorsque j'y étais présent; L'1 d'eux m'a même effrayé !

189. *Vendredi "08" Novembre 2024: JE suis surpris que "la génitrice SANGNOU, veuve rose noumbissi"; PASSE plus de temps à rechercher des psy, et autres pour me rendre nerveux et non certains de mes revenus financiers; QUE de s'occuper de sa fille en détresse nerveuse du fait de son inabilité à contrôler des naissances dans son mariage homosexuel.*



University of Waterloo
200 University Ave. West
Waterloo Ontario
Canada
N2L3G1

Graduate Official Transcript

Associate Vice-President
Graduate Studies
and Postdoctoral Affairs

Name: Noumbissi Noundou, Xavier
Student ID: 20284586
Ontario Education Nbr: 445938806

Beginning of Graduate Record

Fall 2009

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 1.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
ECE	725	Computer-Aided Verification	0.50	0.50	90

Winter 2010

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 2.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Spring 2010

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 3.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Fall 2010

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 4.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Winter 2011

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 5.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Spring 2011

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 6.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
CS	744	Advanced Compiler Design	0.50	0.50	86

Fall 2011

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 7.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Fall 2012

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 8.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	



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Graduate Official Transcript

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and Postdoctoral Affairs

Name: **Noumbissi Noundou, Xavier**
Student ID: **20284586**
Ontario Education Nbr: **445938806**

Winter 2013

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 9.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
CS	846	Advanced Topics in Software Engineering	0.50	0.50	88
Course Topic:		Program Analysis of Web Apps			

Spring 2013

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 10.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
ECE	750	Special Topics in Computer Software	0.50	0.50	88
Course Topic:		Static Analysis for Softwr Eng			

Fall 2013

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 11.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Winter 2014

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 12.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Spring 2014

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 13.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Fall 2014

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 14.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	

Winter 2015

Program: Electrical and Computer Engineering, PhD
Attendance: Full-Time Term: 15.00 Status: Enrolment

Course		Description	Attempted	Earned	Grade
GS	-	Continuing Graduate Studies	0.00	0.00	WD

Withdrawal Date: 04/30/2015

Milestones

Program: Engineering Doctoral
PhD Comprehensive Examination
Status: Completed
Date Completed: 12/20/2011
Grade: CR

End of Graduate Official Transcript

~~Noumbissi~~ Noundou [Pr. Prof. Dr.–Ing.], Xavier

Professor of Computer Software Engineering (Software System — Construction & Analysis & Verification)

Presidential Candidacy for Cameroon Election in 2025

Convictions about civil society

– "~~Datouo, KEMAJOU~~" Cameroon's gendarmerie colonel indic PAULETTE AZEFA tried to ASSASSINATE myself, openly, in front of at least 7 people, on Yaounde street, on January 09th, 2024.
– Kemajou spouses talk to people walking across roads that they shalln't perform christian cross-signs since these interrupts sorcery they are doing on people walking on roads (June 3rd, 2024).
– Secret (hidden) orders of any type SHALL be out of civilian society.
– Cameroon SHALL DEACTIVATE any kind of army soldiers estate, as SWITZERLAND has done in the past.
– Its is not a good idea to judge people based on suspicious behavior, and not, real proven or not lived really facts.
– ROSE sangnou, a BIRTH GIVER of mine, SHALLN'T ANYMORE be causing so much trouble into my life because she entertains a rosicrucian affair with Prof. Dr. rer. pol. JEAN–CLAUDE SHANDA–TONME; AND with 'DORIS beteubang Gweh', 'Hugues Ntomani Tiako'; "Dr. Henriette Pola", and her spouse "Dr. Laurent tchandeu".
– People such as KEMAJOU, who acts as a colonel gendarmerie of Cameroon army ARE ALWAYS TRYING to overcome criminal laws of Geneva.
– I don't want to be living with people that have as profession the killing of other people.
– Rose sangnou sister, (Justice) DOROTHÉE SHANDA NDJATIE, HAS TRIED to kill me by police force illegally in February 2021, as I have a file on judge HUGUES ALAIN YAGER MABOMA at DOUALA–ndokoti JUSTICE Palace ! • LAQUINTINE's Psychiatrist EYOUM CHRISTIAN, MD, was involved together with 8 other persons at night around 11 : 30*PM* so to hijack my privately owned property in Douala-CITÉ-DES-PALMIERS. • JUDGE HUGUES ALAIN YAGER MABOMAis from same tribal tribe as ACCUSED psychiatrist main offender (sawa–douala) ! • IT SEEMS "Dr christian eyoum, MD" the corrupted CPDM psychiatrist wanted myself to be sodomized by "BERTRAND" who broke the seal of my gate in steel.
– CIA (Central Intelligence Agency) shalln't hire anymore incompetent persons like 'Peter Alan Burh' 'baleba–faux-pasteur' 'NDZIÉ' 'PRC–présidence de la république du Cameroun' 'CHAPELLE DE LA GLOIRE DE CHRIST – marc denis djeng djeng – alias pasteur marco' 'IDIOT-jp-kamgain-chien' 'SAPEUR-POMPIER-de-malheur—indic–gendarme–policier–uniforme–medic' 'NORBERT tchatat–criminel' 'Bitoungi (douanes)' 'David Moniaux' 'Aurélie Yagno Kamdoum' 'DR. FOSSO–sed' 'Soot–canadian' 'sarah-landy-canadian-citizen' 'tchangoue–labforge.ca' 'sandy-sed-beidu-peggist-jo-atlee' 'carine–alias–edith – LELE – NJOUGEP – TCHANA' 'Julien-mboutou; santé publique' 'Dan Wasula waswa - so called pastor baptist church' 'KAMGA adamo – idiot – demson' 'Cameroon-chief-of-state; CAMEROUN.' 'SANDRINE-idiote yimbou' 'CHENGWA' 'DJOMO-Sawa–gilles-ézéchiel' 'didi–ruben' 'mama–fouda-idiot' 'INES ngakou' 'Serge Achille Fopoussi NONO - sed - cmr' ['~~NKWOUANO~~'] ['~~djomo~~'] ['~~TCHUIDJANG – sed - pre~~'] ['NGONGANG'] 'Hôpital Jamôt' 'VOUFFO manuela–chienne–psy–malade-mentale' 'alain-elame' 'francis magloire come nkoulou' 'ZOUMPE–idiot–jacky–diane' 'BIYA (Paul et Chantal en particulier)' 'DAIMLERCHRYSLER AG' 'BRYAN–tchamaha–ntaata-italie-chien' 'SALIOU MOUSSA–pd' 'Affana' 'Faurecia GmbH–bavaria' 'magne–bakam–bir–dgre–sed–cameroun' 'BIR – emanè-nkoa-marcelin-pierre – capitaine-mbida-dsp - mado-soeur emane–ETOGA' 'Brice sime (afriland–first–bank)' '~~GUTTEMBERG~~ tchamaha ntaata' 'Sylvanie MFEUKEN' 'ANICET Mfeukem' 'WANDJI Théodore' 'COLONEL eloundou–sed' 'Colonel ÉMILE bamkoui (semil–sed)' 'Christopher NGOSONG (University of Buea)' 'Rainer and Gabrielle SCHULZE–SMIDT' 'Franck biya' 'M. onguéné (s2TBED–biya–franck)' 'David (GATE SOLUTION CENTER)' 'KREYENHOP (BLG logistics, CDU politicians)' 'Achilles Kouam (PAUL fokam kammogne)' 'Thierry Nyamen (Pr. Prof. Dr.–Ing.)' 'MOÏSE–idiot–yamkam–tebiwo' 'REZA kopae (riskview inc.)' 'Thomas NDIE DJOTIO' 'Christelle-akamba–et–autres-noms-de-akamba' 'VALERIE' 'ALT LE PLUS' 'Nestor KENFACK (N.K. quincaillerie)' 'atanga-nji-paul-culprit' 'Daniela–siemens-OCS-erlangen' 'Menguéné Mvindi' 'TCHEUFFA' 'Audrey NGUETIE tchamga (ex girl–friend)' '~~JIHANE ayachi~~' 'ZABER-idiot-algérien-bremen' 'DZUKOU–tate–fotso–viviane' 'irene-ines-ngakou-temou-FAINÉANTE-suisse-bordellerie' 'VANELLE–JUNIOR–laure AZEFA-gang' 'GODRICK chekete H.' 'pasteur Landry' 'Eric Joël KOM SIPA' 'Grégoire Owona (CPDM general secretary)' 'SANGO (Spouse Bernadette NOUNDOU(CMR-dgre)' 'gendarme essono en civil (iloga–iloga–aurélien)' 'GÉNÉRAL DE CORPS D'ARMÉE bouba.' '~~consortium–conrad-black–ROTHSCHILD~~' '~~GALAX YVES LANDRY ETOGA–chien~~' '~~jean–yang–CMU~~' '~~ILOGA ILOGA AURÉLIEN~~' 'SHANDA NDJATIE' 'MAXIME napoa eteme' '(a so called baptist church pastor) Dr. PAUL siméon nomo, Psy.D.' 'Majeed Mike (quantstamp.com)' 'LEO passos (quantstamp.com)' 'iuc; masc. hypolithe tekeu.' 'Eunice GAPIE Yemte' 'Yves Francis DANTEU' 'Winnie-shanda-joël...' 'Alexie TCHEUYAP' 'Gervais Nana' 'JEAN CLAUDE SHANDA TONME' 'Jean–Paul YAMTCHE (Afriland first bank; Intelligentsia)' 'JEAN–PIERRE kamgain' 'Bernadette NOUNDOU, Epse SANGO (cmr DGRE)' 'RAOUL Prince njonkep (SED)' 'ERIC BODDDEN' 'Prof. Dr. Xavier Siewe Noundou (CMR-dgre)' 'Me. André Édouckè' 'JULES nteta noundou -(cmr-dgre)' **'SALAUD-rcmp-assassin FABRICE-WILFRIED-siemeni-canadian-armed-forces; Prof. Dr. med. Norbert SIEMENI (CMR-sed)'** 'Ondřej Lhoták' 'Dr. Chantal NOUNDOU, Epse ... (cmr DGRE)' 'ANNIE METIAM' 'terreur - ;HONORÉ WOUCHE' '~~POKAM KWAM~~' 'Serge, jérusalem apostolat' 'NOUMBISSI' 'Guimezap' 'GEORGETTE' 'Victor Noundou Koliou cmr-sed' 'Christian rikong ngueyong' 'Hilaire' 'Jeanne MVONDO' 'CHETA' 'rodrigue-alain-sienchie-ngongang' 'angela WOLFGANG fernand JR owona' 'fanfan (GAUTHIER) SHANDA tonme' 'DR. GADJEU francis aimé tchana' 'ute' 'Patrick lam, Ph.D., P.Eng.' 'JON eyolfsson' 'Prof. Dr. rer. nat. Jan Peleskas' 'Patrick' 'YAGER MABOMA' to try to kill humble black engineers and scientists.
– People like PAUL BIYA shalln't be called president of all Cameroonian anymore because as CPDM ruling party, they harass people that don't call themselves from RDPC !

Contact

- **Address:** YECEFOIQ – **"Immeuble YERITH"– barrière – Simbock, Mfoundi 6, Yaounde, Cameroon**
  – located opposite side of Biya's S2TBED forestry society (since 2015 officially) !
- **Email:** Yerith.Xavier@gmail.com

Citizenship ; Place Of Birth

Cameroonian 🇨🇲, no other citizenship ; Douala (Littoral, Cameroon) UPLOADED a copy of national id (N.20190242230510554) onto "https://www.facebook.com" this year 2024.

Teaching Statement

1. [Teaching] and [Advising] is my priority at time since in Cameroon Software inception is very long and tedious because Cameroon authorities, Especially SED.
2. My 1st professor and best educator is [prof. dr. rer. nat. habil. JAN-peleska], at the University of Bremen, Bremen, Germany.; The 1st best teacher as of now was "prof. dr. dr. ULRICH KRAUSE, at the University of Bremen; as well"; THE 2nd best teacher as of now was "'[Prof. Dr.–Ing. Patrick] Lam, at the [University of Waterloo, ONTARIO, CANADA]".
3. I endeavor to teach what makes my research vivid "*(RM: Program Software Runtime Monitoring)*" and useful for young and adult people around the world; I can teach almost everything in Computer Sciences, except Computer Electronics, Computer Graphics, and Imaging.

Research Goals in Computer Software Engineering – [Continued]

1. Create a very cheap and pragmatic Enterprise Resource Planing (ERP) software: (e.g: **Yerith–Erp–9.0–platinum**[1]).
2. CREATE a market place where stock exchanges occur real–time; [**Yerith–Erp–9.0–Trading–realtime**] is used as platform for valuation of stocks; And for stock exchanges. THE market place is a physical place in "Yerith–R&D building"; THE physical stock exchanges occur outside of "Yerith–R&D building"; just a plot of land '5 meters' away on the opposite side of road leading to "Yerith R&D" !
3. ***Automatic generation of web HTML pages from a Domain Specific Language (DSL) that is more approachable for a high level programming language perspective (i.e: similar to C++ / Java):*** yerith–web–pages–generator–9.0***[22.22]***.
4. Create and render software analysis, debugging, and testing tools as easy as possible to use, with only finite automata theory background; and / or Typestate–API usage rule checking typestate–API knowledge (e.g.: **Yerith–Saint**[1?], **sdmm**[?d], **YRI_QVGE**[12.12], Valkyrie–Valgrind[20.20]).

Professional Computing Associations Memberships

- Current: "***acm: The Association for Computing Machinery***"; "***FME: Formal Methods Europe***"; "***ASQ: American Society for Quality***".

Professional Computing Literature Reviews

- ***OOPSLA*** *2010*

Professional international workshops and conferences

- **IMRT radiation therapy** at SIEMENS OCS Erlangen-BAVARIA-Germany 2008; [***FSE–soqua*** *2006*]; **PLDI** 2009; **IBM CASCON** 2010; **MITACS ONTARIO** 2012; **ICSE** 2012

Professional Research Contributions / Interests

- [Resume / CV – Research Overview Start Page] | [PUBLICATIONS] | Publications list on "www.archive.org" | Publications list on "www.zenodo.org"
- **Operating System Debian Linux Distribution Contribution for customers of "YERITH–ERP–PGI–9.0"**: "YERITH–NISSI.". Bash; Debian Linux; Jan. 2017 –
- **ERP Software:** "**YERITH–ERP–PGI–9.0**"[1]; git `https://www.github.com/yerithd/yerith-erp-9-0` C++ ; Qt 5 ; Oct. 2015 –
- **Software Engineering–Formal Methods [1|1|1c] / Software Validation / Software Verification** CASE tools [**YRI_QVGE**[?a], ***RT–Tester, MBT***[1b]]
- **Software Testing** [22.22] (also with "Verified Systems International GmbH" .) **YRI_QVGE**[?b], [Master Thesis[1], ***RT–Tester, MBT***[1b]], ***JUNIT 4 Tutorial***[1]
  A. Web Applications (***Dynamic Taint Analysis***[3] | Development)
     1. JudoDB, with "Dr. Patrick Lam (doctor–Ph.D. advisor of mine)"; git `https://www.github.com/patricklam/judodb` GWT, PHP; Java; June 2014 – Nov. 2014
  B. ***Cyber–Security Analysis***[2] [24.24] (PLG seminar at David R. Cheriton School of Computer Science, University of Waterloo, Ontario, CANADA)
  C. ***Information Flow Policy Control***; ***Typestate–API usage rule checking***; ***Dynamic Program Analysis Monitoring***
     ?f ***A Runtime Monitoring Mealy Machine C++ library***; git `https://www.github.com/yerithd/yri_sd_runtime_verif` C++ ; Qt 5 ; June 2022 –
     ? ***YERITH_QVGE : A Framework for Verifying SQL Correctness Temporal Properties of [GUI] Software at Runtime***
       FOSS Code location, *EXCEPT for commercial CASE drawing tool* : git `https://www.github.com/yerithd/yri-db-runtime-verif` C++ ; Qt-Dbus; June 2022 –
     3 ***A Dynamic Taint Analysis for PHP in Quercus***; git `https://www.github.com/xnoundou/xresin-taint-analysis` Java; Firebug; Jan. 2013 – Apr. 2013
  D. ***Static Program Code Analysis Verification; Compilers; Verifiable DSL (Verifiable Domain-Specific Languages)***
     20.20 Open Source (FOSS) Contribution to "Valkyrie: Valgrind–GUI"; git `https://www.github.com/yerothd/valkyrie_NON_OFFICIAL` C++ ; Qt 5 ; July 2023 –
     1d *Vordiplom–B.Sc. Independent Study: A Semantic Comparison between Timed Automata and Büchi Automata* Set–Algebra; Sep. 2004 – Dec. 2004
     1? ***Ph.D. disser.: A Context–Sensitive Staged Static Taint Analysis for C using LLVM***; git `https://www.github.com/AmesianX/saint` LLVM; C++; Java
     ?d ***A State Diagram Mealy Machine Description Language***; git `https://www.github.com/yerithd/yri_sd_runtime_verif_lang` flex, bison; Apr. 2023 –
     1a ***Ph.D. thesis: Temporal Property Verification in Plugin–based Software*** SOOT; Java

Summer School Participation — Highlights — [Continued]

- **"Management Psy Human Resource Course"** – Collège Integ, Douala, Littoral, Cameroun — Taught by "Dr. Jean Moubeb, Psy.D." Jan. **2020** – June **2020**

Chieftaincy / Miscellaneous

- ***KING YERITH–NISSI. (Prophet of Jeovah-nissi, "Isaiah** 45**" (SINCE nov.** 14; 2014***) in HOLY BIBLE*, **PAROLE DE VIE-(Amis pour toujours) – French language)**
- I also act as a Prophet described in "Apocalypse 12".
- I also act as a Prophet described in "Apocalypse 1", named 'Fidèle, et Véritable'.
- Creator and Professor at yecefoiq (yerith-centre de formation informatique), a subsidiary of Yerith R&D
- "High Qualified Person–migrant in CANADA (Québec, then Ontario) for 9 years until August 2014".
- Driving license class B – Cameroon & Canada

Professional Tools and Programming Languages

- Operating Systems: MS Windows (XP, 98, 2000, 7, 10, 11), Debian Linux (8, 9, 10, 11, 12)
- SCM (Source Code Version Management Tools): Git, Mercurial (hg), SVN, Rational ClearCase
- Web Technologies: MariaDB, HTML5, CSS, PHP, Quercus, Apache Tomcat, GWT (Google Web Toolkit), JSP
- Scripting Languages: Cygwin, Python, sed, AWK, Bash
- Programming languages, Debugging, and Testing Analysis tools: YRI_QVGE[12.12], SCALA, Java, C/C++, JUnit-5, DDD, Gcov, Valkyrie YERITH[20.20], LTSA
- Programming and Compiler Frameworks: DIFF, Patch, Txl, apache ANT, MAKE, Qt 5 , SOOT, LLVM, flex, bison, Eclipse IDE, Codeblocks, CharmNT

University Level Teaching (as a Teaching Assistant Ph.D. Candidate; then a "Doctor–PhD")

UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA (OCTOBER 2009 – APRIL 2015)

- Software Testing, Quality Assurance and Maintenance (ECE 453 / SE 465) | Methods and Tools for Software Engineering (ECE 650) | Foundations of Software Engineering (ECE 651) | Programming for Performance (ECE 459) | Computer Networks (ECE 428) | Compilers (ECE 351) | [C++ Laboratory (ECE 250)] .

Academy Work Research Experience – 1

- Start-up Yerith R&D, *Yaounde, CENTER region, CAMEROON*
Professor (Pr. Prof. Dr.–Ing.) of Computer Software Engineering at YECEFOIQ, CEO

- *IUC (Institut Universitaire de la Côte), Douala, Littoral region, CAMEROON* **2019**
Web Software Developer Consultant (NUMERHIS–ERP Web Application Development); advised by Hypolithe Tekeu, MASc

- *IAI (Institut Africain d'Informatique) Cameroon, Yaounde, Center, CAMEROON* **2016**
Professor (Prof.) – Consulting Lecturer (Computer Architecture for Software Engineers in anglophone section); advised by: Ing. (B.Sc.) Salabessi (and Mr. Nanga)

- ***Professional and Academic Degree [Ph.D. in Computer Science]*** March 10, **2015** !
University of Waterloo, Waterloo, Ontario, CANADA
PhD Comprehensive Examination – ECE-University of waterloo December 20, **2011** !
PhD Research Seminar [TALK] – ECE-University of waterloo April 16, **2014**
PhD Dissertation Defence – CS-University of waterloo January **2015**
doctoral "Ph.D. degree" dissertation (Excerpt of Full not required text, by Patrick LAM, Ph.D.): *Context–Sensitive Staged Static Taint Analysis for C using LLVM*
(November 8, 2024) Addendum of co–related research in Program Analysis: *Temporal Property Verification in Plugin–based Software by Program Analysis* (https://www.archive.org/details/yeroth-program-analysis-2023/YERITH-PROGRAM_ANALYSIS_2024_With_CURRICULUM_vitae_2024.pdf)

- ***The University of Waterloo (ECE at WatForm), Ontario, CANADA*** September 01, **2012** – March 10, **2015**
Professor (PostDoctoral Fellow; Prof. – Expert in a domain of science) of [RESEARCH] & [TEACHING] (program analysis & software testing research, and teaching (also related courses))
"Graduate-student 1: Divam Jain (CS–MMath, JAVA–SOOT) | Graduate-student 2: Felix Fang (ECE–MASc, Divam's research continuation)"
"Advisor 1: Pr. Prof. Dr.–Ing. Igor Ivkovic | Advisor 2: Pr. Prof. Dr.–Ing. Vijay Ganesh | Advisor 3: Pr. Prof. Dr.–Ing. Patrick Lam | Advisor 4: Pr. Prof. Dr.–Ing. Sivoththaman Siva"
"Colleague 1: Pr. Prof. Dr.–Ing. Ondřej Lhoták | Colleague 2: Pr. Prof. Dr.–Ing. Nomair Naeem | Colleague 3: Pr. Prof. Dr.–Ing. Fabrice Wilfried Siemeni | ***Colleague 4: Prof. Dr. Godrick H. Chékété*** | ***Colleague 5: Pr. Prof. Dr.–Ing. mahesh tripunitara*** | ***Colleague 6: Prof. Dr. Derek Rayside*** | ***Colleague 7: Pr. Prof. Dr.–Ing. LEO passos*** || "Colleagues in christianity (***Prof. Dr. Yaw Boakye–Agyeman***, Nana Yaw, Eric Brefo–Mensah, Chiwanza Kasanga, Mushota Kasanga and spouse Timi) – *-ATTENDED* "koinonia church in bloomingdale, ON"; "apostle continuation church in brampton, ON"."

- ***IBM CANADA Ltd., Markham, Ontario, CANADA*** January 01, **2012** – August 31, **2012**
Thorough security check screening done for employment by employer IBM Canada LTD before starting employment.
Graduate Intern (JAVA–J9 Just–In–Time Compilation Optimization for IBM Websphere); advised by Prof. Vijay Sundaresan; and Prof. Dr. Patrick Lam

- ***PROFESSIONAL AND ACADEMIC DEGREE. Doctor of Engineering [Dr.–Ing.]*** (*academic equivalent to a "doctoral PhD in Electrical and Computer Engineering"*)
Engineering Doctoral Program *(Electrical and Computer Engineering)* at The University of Waterloo, Ontario, CANADA September 01, **2009** – December 20, **2011** !
Department of Electrical & Computer Engineering (ECE) – Grade **88**% [A+]
Research Proposal (doctoral Ph.D. Thesis in Electrical and Computer Engineering): ***Temporal Property Verification in Plugin–based Software***
Mathematics Subject Classification: 68—Computer Science
Computer Science Subject Classification: Software Engineering, Program Verification, Program Analysis (static code analysis, dynamic program analysis)
Advisor 1: Pr. Prof. Dr.–Ing. Nomair Naeem | Advisor 2: Pr. Prof. Dr.–Ing. Ondřej Lhoták | Advisor 3: Prof. Dr. Patrick Lam | Advisor 4: Prof. Dr. Sivoththaman Siva

- ***The University of Waterloo (ECE at WatForm), Ontario, CANADA*** September 01, **2009** – December 20, **2011**
Teaching Assistant & Research Assistant in Computer Software Engineering (program analysis (static code and dynamic analysis) research, and teaching assistantship in computer software engineering); Advised by Prof. Dr. Patrick Lam, and Prof. Dr. Sivoththaman Siva

- *Post–Master Work with SIEMENS Healthineers (OCS – Varian), Erlangen, Bayern, GERMANY* November 01 **2007** – July 31 **2009**
Thorough security check screening done for employment by employer "SIEMENS AG" before starting employment.
Junior Software Developer (CE–FDA certified software code development; Radiation Therapy DMIP communication control protocol C++ development); advised by: Ing. (M.Sc.) DARIO MERAVIGLIA, and Dipl.-Inf. (FH) GERHARD SENG.

- ***PROFESSIONAL AND ACADEMIC DEGREE. Diplom–Informatiker*** (*academic equivalent to a "Master in Computer Science"*)
I HAVE SACRED this diploma certificate "(Duplicate by Prof. Dr.-Ing. UTE bormann and Prof. Dr. Kerstin Schill; from November 01, 2017)" in front of BISHOP at St-Patrick Church in Toronto–downtown, ONTARIO, CANADA; just 3 weeks after resigning my shit–CANADIAN CITIZENSHIP at KITCHENER-WATERLOO criminal justice court [Living in Salvation Army Shelter near Justice Court.].
"Diplom–Informatiker" degree program at The University of Bremen, Bremen, GERMANY October 01, **2002** – May 25, **2007**
Department of Mathematics and Computer Science – Grade 1.6/4 [A+]
Diplomarbeit (Master Thesis): *Statistical test case generation for reactive systems* | Advisor: Prof. Dr. Jan Peleska

- *AGBS at The University of Bremen, Bremen, Bremen, GERMANY* September 01, **2006** – February 28 **2007**
(Part–Time) Software System Developer (A 'UML 2.0 statecharts' plugin for 'Borland-Together'); advised by: Prof. Dr. Jan Peleska

- *"IMMIGRATION CANADA delivers myself a High Qualified Person–migrant permanent residency for CANADA"* **2005**
Family member in Canada: ***"Théodore Wandji Ngongang (5850 Rue Souart Apt 7, H3S 2E8, Montreal, QC, Canada)"***
I already passed my Bachelor's degree in CS (***"Vordiplom in Informatik Certificate"***) before gaining High Qualified Person Permanent Resident Card

- *Bergmann Automaten GmbH (now Gewete GmbH), Rellingen, Hamburg, GERMANY* March 01, **2005** – April 31, **2007**
(Part–Time) Software System Developer (Java servlet and (C++) communication protocol development); advised by: Dipl.–Ing. (FH) SVEN KAMRATH (and Dipl.–Ing. JENS MÖLLER)

- *ZMML at The University of Bremen, Bremen, Bremen, GERMANY* February 01, **2003** – February 28, **2005**
(Part–Time) WEB AND "RAD" APPLICATION DEVELOPER (Creating websites, and RAD–server self tests evaluation programs); advised by Prof. Dr. rer. pol. Klaus Jürgen Bönkost

Free Time Hobbies

- Aïkido, Swimming, and "Gospel Choir 'GEORGIA MASS CHOIR'" listening.

Academy Work Research Experience – 2

- ~~***HABILITATION, equivalent •***~~ *Topic: "Verifying SQL Correctness Temporal Properties of [GUI] Software at Runtime"* June 01, **2022** – Currently
  Start–up YERITH R&D, Yaounde, Center, CAMEROON
  Proposal: *YERITH_QVGE : A Framework for Verifying SQL Correctness Temporal Properties of [GUI] Software at Runtime* (Details at link ?)
- Start-up YEROTH R&D, *Yaoundé, CENTER region, CAMEROON* October **2018** – November **2023**
  Software Verification & Validation Fellow, CEO
- Start-up Yeren Labs, *Waterloo, Ontario, CANADA* September **2017** – September **2018**
  CTO (Chief Technology Officer), CEO
- Start-up Yeren, *Yaounde, CENTER region, CAMEROON* March **2015** – August **2017**
  CTO (Chief Technology Officer), CEO
- × ~~*[PKFokam Research Institute, Yaounde, Center, CAMEROON]*~~
  ~~**Professor (Prof.)–Ph.D.–seeker (Static Code Analysis Research from WATERLOO.); advised by:**~~ ~~[Dr. PAUL fokam–kammogne]~~, & ~~[Dr.–Ing. JUSTIN bomda]~~; ~~[and M. Samuel–DIMITE]~~
  ~~***"JAN–peleska" & "University of Waterloo" try to hijack myself through this 2-days–job–contract***~~
  [All people pro–eminent persons I have seen at his banks, "including Deceased gay-pd GERVAIS mendoze", are in prison !!! (419–scam)]
- *Judo–Québec, Montreal, Quebec, CANADA* JUNE **2014** – NOVEMBER **2014**
  (Part–Time) Web Development Consultant (JAVA SE 7, GWT, PHP) for JUDODB; advised by: Prof. Dr. Patrick Lam
- *RiskView Inc., Toronto, Ontario, CANADA* January **2013**
  Software Consultant for Finance Software Security (SCALA servlet development for Finance); advised by: Reza Kopae, M.Sc.
- *We4IT GmbH, Bremen, Bremen, GERMANY* June **2005** – July **2005**
  Software Development Internship (J2EE, `MySQL` web application for medical personal training management); advised by Dipl.–Inf. Stephan Sucker
- *SGS Cameroon, Douala, littoral REGION, CAMEROON* September **2004**
  System administration internship (Computer networked installation; employee desktop technical support; (MS Windows NT, MS Windows 2000, **etc.); advised by CHENGWA, & ...)**
- *bremen4u GmbH, Bremen, Bremen, GERMANY* March **2004**
  Web development internship, System Administration (`MySQL`, `RedHat linux`, `JSP`, `PHP`, `HTML5`, `CSS`); advised by Martin, B.Sc.
- *IWT at The University of Bremen, Bremen, Bremen, GERMANY* October **2002** – January **2003**
  (Part–Time) Student Metal Processing & Measurement Helping Scientist; advised by: Dipl.–Ing. Sven Bengelsdorf.
- *DaimlerChrysler AG, Bremen, Bremen, GERMANY* June **2002** – August **2002**
  Industrial Chain Worker (Kfz–Schlosser Helper); setting of Mercedes personal cars seat belts
- *Brüel & Kjær, Technology Park – University of Bremen, Bremen, GERMANY* July **2002** – September **2002**
  (Part–Time) Student Helper (event management); advised by: Dipl.–Pol. Torben (and Dr. Woehring)
- *Cyberix, Douala, Littoral region, CAMEROON* October **2001** – November **2001**
  Web Development Internship (`HTML`, `CSS`); advised by: Ing. Foguem (and Théodore Wandji Ngongang)
- **GCE A Level in Exact Sciences; BACCALAURÉAT C (Mathematics, etc.)** **2000**
  Grade of "11.59 / 20"
  Douala, LITTORAL region, CAMEROON
- **GCE O Level in Exact Sciences; PROBATOIRE C (Mathematics, etc.)** **1999**
  Grade of "12.09 / 20"
  Douala, LITTORAL region, CAMEROON
- **B.E.P.C (Brevet d'Études DU PREMIER CYCLE)** **1997**
  Douala, LITTORAL region, CAMEROON
- **C.E.P.E (CERTIFICAT D'ÉTUDES PRIMAIRES ÉLÉMENTAIRES)** **1993**
  Douala, LITTORAL region, CAMEROON

Professional Communication Languages

- **FRENCH, and ENGLISH** CAMEROON; NATIVE
- **"GERMAN DSH LANGUAGE CERTIFICATE"**, Sehr Gut (Very Good) April 2002 (UNIVERSITY OF DORTMUND, DORTMUND, NRW, Germany)
- **"ENGLISH USA TOEFL–IBT"**, Grade 86 June 2018 (Hamilton, Ontario, Canada)

[Summer School Participation] – ADDENDUM

- **"CUT** 1 **– Certificate in University Teaching**1**"** – University of Waterloo, Waterloo, Ontario, CANADA **2010**
- **"Online Software Security Course"** – Stanford University, CA, USA — Taught by "Prof. ~~Boney~~' (Not finished completely graduated) June **2013** – August **2013**
- **"First Summer School on Formal Techniques"** – NSF, SRI International, Menlo College, Atherton, California, USA May 22, **2011** – May 27, **2011**
- **"Graduate Student English Training Course"** – Université du Québec à Montréal (UQAM), Montreal, Quebec, Canada Aug. **2009**
- **"Graduate Management Admission Test (GMAT) Preparation Course"** – Concordia University, Montreal, Quebec, Canada June **2007**
- **"C Programming Language Preparation Course"** – UY 1, ENSPY, Yaounde, Center, Cameroon — Taught by "Master–1 Mr. Donfack (ENSPY)" Aug. **2001** – Sep. **2001**

[RESEARCH GOALS IN COMPUTER SOFTWARE ENGINEERING] (CONTINUED)

5. ***Prepare a course on "Software System Security Vulnerability Detection and Analysis". I prepare this course material so to implement a software system for protecting other software from malware.***
6. Create a stand–alone tool that generates code for creating statechart C^{++} code for mealy machine state diagram (SDMM[?d]).
   This tool is specifically created and programmed for generating code that uses checkboxes to select options for Graphical User Interface [GUI] code.
7. Position "static dataflow analysis research and techniques" as similar as runtime verification (i.e.: circle 4 in Figure 6; e.g.:PH.D. THESIS[1a], YERITH–SAINT[1?]).
8. Create and produce a computer device that could be embedded into other computer devices and that will communicate with them through serial ports and / or USB interfaces SO to provide YRI_QVGE program verification to USER FINISHED products on-the-fly, AS an add-on ENGINEERED industrial product: ALSO this product could qualify for an ISO–related certification for avionics, railways, automotive, and FDA—ISO certifications for Healthcare:YRI–QVGE–PC–TABLET.

1.1 National Identification

1. A system allowing any of the 3 documents cited below as valid official identification for any official or inofficial activity shall be implemented in Central CEMAC:

   1. ***Valid NATIONAL IDENTITY CARD***
   2. ***Valid PASSPORT CEMAC—CEDEAO***
   3. ***Valid bank account id.***
   4. ***ALL PERSONS working with weapons or force by law have to be identified with names on badge wherever they are outside of their working places.***

   A bank account id IS in effect linked to a Valid national identity card.

   ""*MOÏSE YAMKAM TEBIWO (Mtn–network:* 6 75 66 24 87*)" for instance, a cousin paternal "French—germain" of mine, Could afford for a law school with a bank account that wasn't really linked with his by birth official IDENTITY documents !*"

   MOÏSE YAMKAM TEBIWO (Mtn–network: 6 75 66 24 87*) also possesses a diplomatic passport at least or equivalent because he also works for MINREX.*

   IN effect, "MOÏSE YAMKAM TEBIWO (Mtn–network: 6 75 66 24 87*)" was a diplomat before joining the LAW-school in LAGOS–corrupt.*

   I could notify this since the law school of lagos he attended didn't issue for a certificate with exact same official birth identity names as written thereof.

   THIS COUSIN OF MINE IS A CRIMINAL in all systems of justice worldwide.

2. 1 system, computerized, and / or, a text registry book shall be created to register any Cameroon citizen with no need for any citizen to walk around with a national identity card.

3. There are some drawbacks as for instance mentioned on the website of FREE SOFTWARE FOUNDATION, in the United States of America (USA), to have a centralized registration system for citizen or People living inside a country !

4. *"A gervais nana (gersatelgmail.com)" I know somewhere in YDE, seems to be connected as a free-mason to* ""MOÏSE YAMKAM TEBIWO"" *.*

   "GERVAIS NANA" *must be investigated since I know "TEBIWO–YAMKAM–MOÏSE" Is a murderer in all systems.*

5. I remember having an issue with a screen of a laptop I bought to a place (GERSATEL) owned by *"Gervais NANA"* ; after 1 day, A blur appeared on the screen and I wasn't reimbursed.

6. *It seems* "WELADJI" *a burglar that I went with at Gendarmerie D'AKWA–SUD in* 2023 *because he apparently tried to steal* 20, 000 *FRANCS as a non used money for a purchase item that I ordered from his shop at DLA–douala–bar;*

   "WELADJI" *WAS NOW in position in another shop where I started buying stuff for my customers.* "~~Moubeb Jean~~" *is working just at opposite side of this computer hardware shop in Douala: "COLLEGE INTEG".*

7. *"~~ISAAC TEUNTCHOU–poltron–peggist~~"* , a father in law of 1 uterine sister of my person; *"~~Ingrid NOUMBISSI TCHITCHUI (heiratet (SPOUSE): Dipl.–Ing. (FH)–CHANDRIAND Teuntchou Noumeni, MSc.)~~"* is trying to hijack from my propriety all my real–estate.

8. Double citizenship with following countries that harasses honest Cameroonian like myself shalln't be allowed:
   - Canada
   - United States of America (USA)
   - Germany
   - Any country where a gay–homosexual–marriage is pronounced in a so–called *"JESUS–OF–NAZARETH"* congregation: I.E: such a country shall be considered a scam *"(LEVITICUS* $20:12-13$*, and Romans* $3:26-28$*) !"*

     SIMPLICE-kameni and alike people must be imprisoned.

     HIJACKING properties and down–casting businesses of elite–intellectualist from abroad like myself and others I may not even know about is what make them have a life luxurious around C.P.D.M and SED-yves-landry-galax-etoga-idiot; so called secret–services.

     " *THERE is also another "negger" working on behalf of simplice-kameni as LEAD of the so-called–cocaine-reseller wood-factory S2T-BED, called IDIOT-repeating-christian-signs; that behave like so–called "TONTON-makout' in HAITI-movies; (`https://WWWURL`) YOU see this kind of people that kills under behalf of a politician like BIYA; AND that you cannot even prosecute because there is no whereabouts of his origins or identities here in Cameroon-official-Communaute-URBAINE-de-YAOUNDE.* "

     " ***!! ALSO this biya–cpdm–gang against a proper african descendant on AFRIKA–soil Has a motto: ABSURDITY !!!*** "

     FACTS:

     1. kill where life is supposed to be saved;
        Example: USE your own blood-giver to hijack your life and properties [REFERENCE.]

        HOSPITAL is used to destroy lives.

     2. destroy where it is supposed to be killed;

        POLICE and ARMY kill people that go to them for seeking help after being robbed or whatsoever here in AFRIKA;

        so called UNITED–nations (`https://www.un.org`) are only a replacement for colonies by white–supremacists.

   - IT seems it is cameroon-cpdm-people who are UNITED nations workers here in CMR; HERE.

9. *"NESTOR KENFACK, VALERIE KENFACK"* shalln't be harassed since they support very well people like myself by promoting computer services of "YERITH R&D ".

   "N.K. quincaillerie" DOESN'T have any name poster on top of his offices-premises anymore because of them trying not to be harassed because of my personal opinions in CHRISTIAN–faith.

2.2 JUSTICE and PAST-MEMORIES to heal in Cameroon

1. [Dr. PAUL Siméon nomo, from MONATÉLÉ came to my private house in YDE–AAHALA, to arrest illegally without any notification or whatsoever; using a firefighter truck and 3 firefighter to molest myself in front of several neighbors so to discredit my life as a peaceful citizen of Cameroon.]
   HE seems this criminal assassin from BIYA private places is now living in Maryland, USA; since I went back to Canada to resign from CANADIAN–shit citizenship.

   Another cousin of mine so called "[Rodrigue Alain Sienchie]", told me that 1 day armed soldiers with uniforms came to arrest him in the house of his parents, sent by "[Dorothée SHANDA NDJATIE OWONA]"; THEN went to sodomized him at LAQUINTINIE HOSPITAL.

   "SO I SUSPECT this criminal LAURENT TCHANDEU DJATIE DOROTHÉE OWONA to have sent to my private house in Yaounde in 2017 this 'so called baptist church pastor Dr. SIMEON NOMO, PSY.D.'."
2. "Eyoum Chritian" idiot's immunity of justice because he is a psychiatrist Must be investigated !
3. 'S2TBED', finally repairs our main common road: They destroyed a previous road with LATERITE so much that IT must be fixed with concrete !
4. 'S2TBED', biya's illegal industrial forestry enterprise society, an illegal neighbor of "Immeuble YERITH" of mine, IS constantly disrupting electrical energy current supply.
5. ALL my real estate in Douala (3 3-bedrooms apartments) need to be released by a genitor of mine THAT is not anymore wanted in my life because of all atrocities SHE CONSTANTLY commits with SHANDA GREGROIRE OWONA Wolfgang TCHAMOU angela ndjatie. !!!

   SISTER'S of Rose Sangnou my genitor, Dorothée Shanda Ndjatie, IS CONSTANTLY harassing her to take me to any psychiatric institute by force, Even though there is already a criminal investigation against her and Rose Sangnou at DLA-ndokoti justice palace; DOROTHÉE is a criminal PERSON !
6. 'MADO's brother CAPTAIN pierre marcellin emana nkoa' must reimburse back my 210 000 FRANCS since SEMIL (Sécurité Militaire) told me in 2016 THAT THEY CANNOT convoke them SINCE receipts were signed by his cousin "JEAN-DE-DIEU onana".

   "MY NEIGHBOR CARINE LELE NJOUGEP TCHANA", seems to be here because of them, so to deteriorate the quality of life of legal people living here, and promote their own-beings through propaganda LIKE 'it seems THE colonel living THERE above of the hill IS the one that FIXED the road leading to your compound !
7. JUSTICE FOR BREAKING AND torturing myself ('Xavier noumbissi Noundou (Pr. Prof. Dr.–Ing.)') in front of at least 17 people in front of my inherited personal domicile in Douala–Béedi-Cite-des-Palmiers MUST be finalized before Cameroon election 2025.
8. 'JUSTICE president and certain types of judges must be apolitical: I.e.: THEY CANNOT BELONG TO A POLITICAL PARTY !
9. ***MARTINEZ ZOGO assassin AMOUGOU BELINGA justice criminal court must be finished before Cameroon election*** 2025.
10. ***PEOPLE responsible for the drama of Edea Railway Failure in .. MUST be judged in a civil criminal court before Cameroon election*** 2025.
11. ***MILITARY SOLDIERS that killed about "***7 ***women and their teddies in north Cameroon must be judged."***
12. "***EDGARD ALAIN MEBE NGO'O***" ***criminal procedure in military justice courts must be achieved before Cameroon election*** 2025.
13. ***Military Soldier must have their own facilities and amenities in cities, and not mixed intermingle anymore with civilians, AS THIS IS CURRENTLY THE CASE when they DON'T wear military attire uniform !***
    In fact, MILITARY SOLDIERS or Alike don't have a same behavior justice as civilians; Not talking about habits and gesture.
14. ***Bepanda drama because of 'general MPAY' must be re-covered in a justice palace court of civilians and / or military justice !***

3.3 ACADEMY and Technology Research Institutions

1. Promote creation of research centers for solving problems located specifically in central west Africa:
   1. Another source of revenue for CMR
   2. Improving life conditions for CMR and neighboring friend countries.
2. Enable a financing WITH non reimbursement option for doctors in science and / or engineering.

4.4 Employments and JOBS creation for adult people

1. THERE must be a minimum amount of jobs offer for each society that was funded by the government for researching and improving life quality in CMR and neighboring countries.
2. ***WOMEN that are selling goods outside of their home like "CAROLE mangue" (la fille de "MA–bernadette" au sécrétariat-détat-yves-idiot.) shalln't be part of SED or any governmental secret or not agencies !!!***
   THIS culprit shall also try to not resell goods that were illegally imported into CMR.
3. ALL PEOPLE that were trained by the BIYA–regime as illegal para–military personal, MUST go into peace-keeper corps organization of the UNITED NATIONS or somewhere else so to keep cities and villages free of fire and all other destructive people.

   FOR instance people like "PASCAL dayang", working at "S2TBED" of the culprit franck–biya has insinuated to myself that HE will disrupt any business activities that I–doctor–of–engineering Xavier NOUMBISSI NOUNDOU will perform in my compound !!!

   ["S2TBED"–"PASCAL dayang mercenary SED soldier" as threat in CMR !!!]
4. Transform all wood factories within city of YAOUNDE in computer desktop and / or laptop assembly production units

5.5 JUSTICE and DIVINITIES

1. ***Destruction of all secret services units in Cameroon !!***
   1. "OUATTARA people shall not anymore be opponent to christian people here in Cameroon as it is the case with Shanda–TONME jean claude" presently.
   2. People like SHANDA OWONA harass other people because they feel as safest as possible because of some kind of impunity based on their appurtenance to DGRE special unit forces ("JEAN CLAUDE shanda tonme and spouse" weren't for instance infringed in DLA–NDOKOTI palace for breaking into my compound, closed at night, with around 9 burglars; So called Technicians of "PSY–laquintinie"; around 23 : 30 at night while I was sleeping IN february 2021 in DOUALA).
   3. Politicians shall be reduced to be people applying criminal and civil laws instead of people trying to make their own ideas come through via ENTERING private life of people like "Shanda TONME jean claude" has done in the past 30 alike years with my personal family and life ('Family NOUNDOU michel', and 'Family JEAN NGONGANG') !
   4. 'SEMIL' and special alike units of Cameroonian army shall be dismantled because of reported proved or not really ATROCITY facts.
   5. 'SEMIL', 'DGRE', 'SED', etc.; all former people wearing weapons shall be displaced into military caserns so to avoid mixing MILITARY alike people with civilians !
   6. IMPUNITY of all people wearing weapon must cease with tribunal applications of criminal laws.
2. ***Create an electoral public and common website for all information, and / or official application documents for all elections in Cameroon !!***
3. ***Create a website for publication of all laws in Cameroon; including presidential decrees, acts, and / or acts, and so on ...!***
4. ***Reforming judicial system with computer software digitization so to PROMOTE equity and justice by laws !***
5. ***EACH CITIZEN or person living in Cameroon SHALL officially declare its lifestyle philosophy and / or religion at a 'Chefferie De Block' when moving inside that area of the city !***
   a. This enables to solve issues based on this declaration in a fairly manner, according to a new reformed judicial criminal law system !
6. ***PROHIBIT any type of religious or associations that don't have well openly presented and written codes of laws, Abiding to CAMEROON criminal laws !***

6.6 TRANSPORTATION and CITIES transportation

1. ***Reduce airplane travel costs between cities in Cameroon.***
   INSTANCES:
   a. $\{\text{DLA} \longrightarrow YDE\}$ with one way at 12 000 FRANCS.
   b. $\{\text{YDE} \longrightarrow BAFOUSSAM\}$ with one way at 18 000 FRANCS.
   c. Etc..

7.7 Technology And Development

1. ***Schooling shall be created and managed to be in harmony with Religious, and / or Philosophy lifestyle of parents that intend to have children in a school; BOTH primary and secondary.***

   UNIVERSITIES could mix students of all horizons: so the student and leaders of next Coming Cameroon could learn how to live harmoniously.
2. ***State schools for civil servants shall be banned in favor of UNIVERSITY education and of an additional training on the job when hired !***
3. ***Universities shall be autonomous and not depend anymore of the PRESIDENCY OF THE REPUBLIC***
4. ***Create an industry for solar electrical energy with cars and buses as consumers in a lapse of time of 12 years starting*** 2026.
5. ***Assemble DIGITAL computers in Cameroon in less than*** 12 ***years of presidency.***

8.8 MARRIAGE and INTER-PERSONAL sexual corporal Relationship

1. ***PROHIBIT sexual actions IN OUTDOOR by laws.***
2. ***REMOVE TRADITIONAL SYSTEM of justice because of its unfairness; Based on WOMAN precedence in power:***
   a. SINCE Christians don't need to marry to a woman or any gender, as described in 1 CORINTHIANS 7 : 38 − 39 !
   b. SINCE people could stay without marriage, In Christianity, marriage is THE EXCEPTION, But not a sin;
   c. Any person that is not married and that is a born-again Christian cannot be managed by a married person ! THIS is because A MARRIED person couldn't qualify to understand a life at a certain level as He is living constantly with another gender !
   d. People that have marriage in traditional system normally cannot undergo a civil marriage in a christian church (I.E: TRADITIONAL system allows for Impudicity, Which is prohibited in Christianity !).
   e. Born–Again Christians don't marry at all in any type of marriage !
   f. "SHANDA–TONME jean claude's first and last son": Late (justice of attorney) "Me. Shanda Sanou Cabral Patrice" was apparently killed brutally since his body was missing from people assisting SHANDA's family for obituaries.
   g. '"HIS (jean–claude shanda–tonme) OBITUARIES in next coming years must not be public since He hasn't been a good citizen for at least hundreds of young cameroonian" that I have hear about for the last 12 years since I started by immigration process back to my homeland country Cameroon of C.P.D.M–R.D.P.C !
3. ***Automatic Splitting OF INHERITANCE after parental death between children***: Because there are a lot of troubles to leave this task to a family with not enough money for paper and bureaucracy work at notary justice palaces !
4. ***LEGALIZE homosexual UNION.***
   a. People in this union cannot have children adopted from another non-homosexual union at ALL; AND VICE–VERSA for couple married in non-homosexual life style !

9.9 MUNICIPALITY Reform (AND WASTE and DISPOSAL of garbage)

1. ***chefferie de block: This administrative territorial unit is based on traditional tribal lineage !*** THIS SHALL BE ENDED AS EACH CITIZEN is subject to the same civil law:
   1. currently, a 'chefferie de block' is based on common and traditional law. Since common law has precedence over tribal traditional law, A CITIZEN living must be subject only to COMMON CIVIL LAW where he is living, OR NOT.
2. ***There shall be created AN INDUSTRY for recycling and displacement of waste–garbage USING ecologic burning container:*** Each "chefferie de block" shall have its own burning destroying waste–garbage ecologic container.
3. ***There shall be at least*** 1 ***municipal playing and recreational area of at least*** 400 $\mathbf{m}^2$ ***in each city quarter ("quartier").***
4. ***There shall be at least*** 1 ***municipal library in each city quarter ("quartier").***

VISITED COUNTRIES / ORGANIZATIONS FOR PROFESSIONAL TRAINING

- **UNITED STATES OF AMERICA (U.S.A)**
  - SIEMENS Healthineers (OCS – Varian), CONCORD, CALIFORNIA, U.S.A (JANUARY 2008)
  - SRI International, MENLO COLLEGE, MENLO PARK, ATHERTON, CALIFORNIA, U.S.A (May 2011)
- **CANADA**
  - UNIVERSITY OF WATERLOO, WATERLOO, ON, canada (2009 – 2015)
  - MITACS ONTARIO, University of Waterloo, Waterloo, ON, CANADA (October 2012)
  - CASCON (IBM CENTRE FOR ADVANCED STUDIES CONFERENCE), Hilton Suites Toronto/Markham, Conference Centre, Markham, ON, CANADA (November 2010)
  - PLDI conference (Programming Languages Design And Implementation), Toronto, ON, CANADA (November 2009)
  - Graduate Management Admission Test (GMAT) PREPARATION COURSE, CONCORDIA UNIVERSITY, MONTREAL, QUEBEC, CANADA (June 2007)
  - Graduate English Training Course, UNIVERSITÉ DU QUÉBEC à MONTRAL (UQAM), MONTREAL, QUEBEC, CANADA (AUGUST 2009)
- **GERMANY**
  - UNIVERSITÄT BREMEN, BREMEN, GERMANY (2001 – 2007)
  - SIEMENS Healthineers (OCS – Varian), ERLANGEN, BAYERN, GERMANY (2007 – 2009)
  - SIEMENS Healthineers (OCS – Varian), HEIDELBERG, BADEN–WÜRTTEMBERG, GERMANY (2007 – 2009)

DOCtoral RESEARCH & WORK REPORTS OVERVIEW

This section reports and summarizes all efforts I have made throughout my Time at The University Of Waterloo as a 'Ph.D. candidate'. THIS page links and connects 5 years of academic and professional research I HAVE been spending at the white–asian–white racist extremist university of waterloo in ontario, CANADA.

20.20 Years of PRE–Doctoral & years of Doctoral Research at University–racist OF waterloo, ONTARIO, CANADA

- *Contacts with NORTH-AMERICAN scientists*

- *Contacts with other Scientists*

- *Issues & MISUNDERSTANDINGS at the University of Waterloo, Ontario, Canada*

- *TIME at the University–racist-of-BREMEN, BREMEN, BREMEN, Germany:*
  1. "2 years" STudent Software Developer PART–TIME job – Bergmann Automaten GmbH (now Gewete GmbH), Germany.
  2. *"2 years" WERKSTUDENT at ZMML–university–sexist-racist of bremen, BREMEN, GERMANY.*: February 2003 – February 2005.
  3. *"4.5 years PRE–time" in GERMAN–racist program* : ""DIPLOM–INFORMATIKER (MASTER OF SCIENCE EQUIVALENT)"[1]".

- *Doctoral years of research at the university–racist of waterloo, ontario, CANADA–idiot:*
  1. *"2 years PRE–time" at SIEMENS–idiot medical solutions.*: November 2007 – JULY 2009.
  2. PAPER conference peer reviewed : OOPSLA 2010.
  3. GIVEN PREsentation : IBM CDp Cascon 2010.
  4. Visited courses.
  5. *Independent assisted research summary as a "Master of Science (M.Sc.)"*
  6. *VISIted SUMMER-school /workshops / conferences summary*
     ["1st SUMMER SCHOOL on FORMAL techniques"–2011] | [PLDI 2009] | [IBM CDp Cascon 2010]
  7. PSYCHOLOGICAL–Care with PRACTICE of SWIMMING at THE university–racist of waterloo every other day during almost 4 years – "Degree–Swimmer–5 / degree–MASTER–Swimmer–6" successfully attended.
  8. "Year 1" : 09/2009 – 08/2010;
  9. "Year 2" : 09/2010 – 12/2011 – [*with PhD Comprehensive Examination.*];
  10. *Doctoral THESIS Presentation / PhD Comprehensive Examination on "December 20, 2011"*

- *QUAlification as a "Professional Engineer in Ontario, CANADA"*:

  THE requirements to qualify myself as Professional Engineer in ONTARIO are all met after 1 year supervision under PATRICK LAM "(2011)"; because I have already 48 months of professional engineering work experience before entering the professional academic doctor of engineering program in ELECTRICAL & COMPUTER Engineering at university–racist–white of waterloo.

  "*AS a "doctor PhD in electrical & computer engineering" graduate* ***[abbreviated "Dr./PhD" in French; In french, "Dr./PhD" only nowadays means doctor in engineering; and no fellowship at all; I AM A FRANCOPHONE.]****; THERE shouldn't be any need to again acquired a professional designation "Professional Engineer", since "doctor PhD in electrical & computer engineering" is already an Engineering titled degree. So as a francophone from dark–afrika–heimat, I am not interested anymore in any Engineering, or whatsoever designated vocational position in whiteist–world !*"

  "*ALSO as a born–again christian, I CANNOT BE member-ed in any fellowship of iron–rings, female–peggist; etc. .*"

  "*JON eyolfson for instance has a "Bachelor–of–Engineering"; so he doesn't need to apply for a "Professional Engineer"; BUT [Wenzhu–man has a "Master of Applied Science (MASc)"]; AND no "Engineering titled degree from CANADA and /or USA"; SO for her needs she must apply for P.Eng.; so to get government oriented positions !*"

POST–DOCtoral RESEARCH & WORK REPORTS OVERVIEW

This section reports and summarizes all efforts I have made throughout my Time at The University Of Waterloo as a 'Ph.D. candidate'. THIS page links and connects 5 years of academic and professional research I HAVE been spending at the white–asian–white racist extremist university of waterloo in ontario, CANADA.

21.21 Years of POSt-doctoral Research; a Summary Report – 2nd page

- *POst–Doctoral (Ph.D.; Prof.) years of research at the university–racist of waterloo, ontario, CANADA–idiot:*
  1. "Year 1": 01/2012 – 08/2012 – [*PRofessional Internship at IBM Toronto–idiot Software Lab..*]
  2. "Year 2": 09/2012 – 08/2013
  3. "Year 3": 09/2013 – 08/2014
  4. "Year 4": 09/2014 – 04/2015
  5. STUDENT advising summary
  6. TEACHing assistantship summary
  7. *Independent & Collegiate Research Summary as "Dr.–.Ing. (PhD)"*
  8. Visited courses as post–doctoral (POST–DOCTORAL STUDIES) fellow.
  9. *VISIted ONLINE courses /workshops / conferences summary*
     [Software-Security–online–"stanford.edu" 2013] | [MITACS ONTARIO 2012] | [ICse 2012]
  10. RESEARCH outcome hindrance
  11. RESEARCH outcome plagiarism
  12. RESEARCH outcome plagiarism-continuED
  13. GIVEN–co–taught courses at the University–racist of WAterloo in ONTARIO, Canada
  14. ACADEMIC HELP from other people aside from DEAR-idiot PATRICK-lam
  15. *!!! PhD Research Seminar TALK. as an ECE graduate talk. !!!*
  16. *!!! PhD Dissertation Defense at DAVID R. Cheriton School OF Computer Science in "January 2015" !!!*
  17. *IAI–cameroon–bande-d'idiots au service d'1 B.E.P.C–chantoux*

- *[TRAINING on the job of young engineers]*:
  - Runtime monitoring for Web Apps
  - API usage rule checking for 'C' programs

- *STARTUP entrepreneurship research & development project* YERITH–ERP–9.0–PLATINUM:

  After I left the university–racist–of–waterloo in ontario, IN MARCH 2015; I went to live in Cameroon–yaounde for almost 2 years, working on a free and open source software for Enterprise Resource Planing (ERP).

  POST–Doctoral Research at YERITH **R&D** *since October 2015:*

  I) A realtime component (for operating system DEBIAN LINUX) is in preparation for trading stock exchange erp system "**YERITH–ERP–9.0–TRADING–REALTIME**": YERITH–ERP–PGI–9.0–RT–SYSTEM;

  II) A RUNTIME monitoring verification "*state diagram mealy machines* (SDMM)" C++ Library :
  YRI–DB–RUNTIME–VERIF *(https://www.zenodo.org/records/10474033)* [?b]

  git `https://www.github.com/yerithd/yri_sd_runtime_verif`

  III) A RUNTIME monitoring verification runtime container for "SDMM" :
  YRI–DB–RUNTIME–VERIF *(https://www.zenodo.org/records/10474033)* [?b]

  git `https://www.github.com/yerithd/yri-db-runtime-verif`

  IV) A State Diagram Mealy Machine (SDMM) translator–compiler :
  YRI_SD_RUNTIME_VERIF_LANG_COMP (https://www.archive.org/download/yri_ictss_2023/yri_ictss_2023.pdf)[?d]

  git `https://www.github.com/yerithd/yri_sd_runtime_verif_lang`

  V) Simple to use and pragmatic Enterprise–Resource–Planing (ERP) software :
  YERITH–ERP–9.0–platinum (https://www.zenodo.org/record/8052724/) [1]

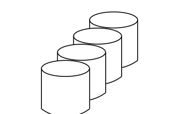
  git `https://www.github.com/yerithd/yerith-erp-9-0`

22.22 WEB PAGES HTML and others Generation with YERITH–WEB–PAGES–GENERATOR–9.0

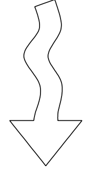
22.22.1 *Motivation*

Figure 1: A SOFTWARE architecture overview of YERITH–WEB–PAGES–GENERATOR–9.0

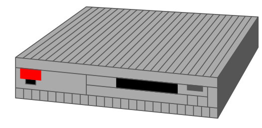
Yerith–web–pages–generator–9.0–DSL script files



Flex, Bison
Yerith–web–pages–generator–9.0–DSL Translator



HTML / CSS / PHP / Javascript, etc. generated files



YERITH–WEB–PAGES–GENERATOR–9.0 is a novel project that constitutes the base for YERITH–ERP–PGI–9.0–WEB–SYSTEM that endeavors to create web sites solutions for entrepreneurial organizations that use YERITH–ERP–9.0–PLATINUM without much additional programming of web interfaces and / or interactions; AT such, web sites solutions for entrepreneurial organizations will emerge as easy as pressing a button.

YERITH–WEB–DSL–9.0 is a Domain Specific Language to describe WEB SITES programmatically so to automatically generate STATIC DYNAMIC WEB SITES BASED ON HTML (HYPERTEXT MARKUP LANGUAGE) AND CSS (Cascading Style Sheets) language constructs.

Numerous companies in Cameroon might evaluate this new research software system product to simplify and speed up their software development process:

1. "Dr.–Ing. PAUL dayang (2013, University of Bremen)"; currently employed at the University of Ngaoundere in Far Nord of Cameroon.

   This researcher and lecturer, employed by the University of Ngaoundere, has never replied to my long time email as an alumni of the prestigious University of Bremen in Germany where I graduated with a "Diplom–Informatiker degree 2 years before him !"

   I could see he started a web graphical system (also with "ANDROID–google platform" (`https://`)) html-based to promote online afore–provisional shopping of food provisions in Africa for its dissertation as a "Doctor of Engineering". I was sad not to see this project emerge as a commercial start–up here in Cameroon where there is only "www.cm.coinafrique.com" (`https://www.cm.coinafrique.com`) that I deem as a serious competitor in this era of work.

   I believe the programming abstraction I will provide for "DAYANG and ROEDIGER (`https://www.informatik.uni-bremen.de/~roediger`) work" would help them both in "Ngaoundere" and in "Bremen" to promote Free and Open Source web shopping for Africa where even a clean market is not existing in Main city Yaounde !

   AT the university of bremen–white–racist, I Visited a course titled ***"E–business technologies** 2"*; I don't remember the name of the professor but I DID SO while I WAS in my 3rd year as part of so called "ANGEWANDTE INFORMATIK" ("Applied Computer Science"). IN graduate level course ***"E–business technologies** 2"*, I learned about *n*–tiers web architectures, SOAP-Service Oriented Architecture Protocol, etc.

   ALSO, in my 2nd year, there was a small "practicum" where I learned on PHP, and MariaDB; "ERIC–cuon-pd STREIBL" was the organizer.

2. " "DUT–Diplôme Universitaire de Technologie" CHRISTIAN ngueyong rikong" (Start-Up)

   CHRISTIAN ngueyong rikong is a seasoned software developer that creates large to medium-sized websites; AND Google–android mobile applications for his clients around world.

   "*CHRISTIAN rikong ngueyong, that I schooled with in Douala secondary school — "ALFRED SAKER HIGH SCHOOL" — would also not be against such a tool–framework that could reduce his development time and effort, since BLACK–USA entrepreneurs cannot afford tremendous amount of money for tools sold by MICROSOFT CORP., FACEBOOK INC., etc. ! "* (`https://www.christianrikong.com`)

3. "Dr. (B.Sc.) Claudel Noumbissi" (Start-Up)
4. "Ing. (B.Sc.) Arthur Zang" (Start-Up)
5. "Dr.–Ing. (Ph.D.) Ibrahim Nguena Moukouop" (Start-Up)
6. "Dr.–Ing. (Ph.D.) Thomas Djotio Ndié" (Start-Up)
7. "Santa Lucia – AHALA", Yaounde
8. "DR. (M.Sc.) Fabrice Wilfried Siemeni" (Start–Up):

   Fabrice WILFRIED siemeni could generate sample website pages with no programming knowledge at all.

   "*HIS medium-sized Start–Up believes that the physician of the future would be just a very good "natural food nutritionist". AND I AGREE with it. "* (`https://www.maligah.com/STARTUP...`)

   BERNADETTE noundou, an aunt paternal of mine could also be 1 of his client since both are from RCMP.

   Dorothée SHANDA NDJATIE owona also seems to be 1 of his competitor in pegging toronto–rcmp–jules–nteta–noundou; A junior brother of my late father THEODORE–idiot–noumbissi.

9. etc.

22.22.2 RELATED WORK at YERITH R&D; *Software System Architecture of ERP Systems*

"Our paper not for publication in a conference paper, *SOFTWARE SYSTEM ARCHITECTURE OF YERITH–ERP–3.0*[12] : (https://www.archive.org/download/yerith-erp-3-0-software-system-architecture_20221230/YERITH-ERP-3-0-SOFTWARE-SYSTEM-ARCHITECTURE.pdf); reveals common web system architecture patterns and structure, INCLUDING (*CYBER-SECURITY*[1?]) software system security vulnerability analysis; As observed these last 10 years at least from "November 8, 2024"."

["WE have visited, in year 2013, an online software security vulnerability detection and protection course with the STANFORD–university–racist while attending our degree [DOCTORAL PH.D.–program at the University of Waterloo;] THIS required acquired knowledge helps us creating safe and secure software systems by Construction."]

""Qt 5 software development platform" enables auto–deployment for Android–google platform." (https://)

"We plan at mid–term to be able to generate "Software architecture proof testing–programs", both for GUI–interfaces (thick–client), and Web–interfaces (thin–client); automatically just by specifying certain behavioral interactions using state diagram mealy machines (SDMM[?d])."

"The so–called "Software architecture proof testing–programs" will have certain warranties about cyber-security, runtime–memory usage and user–defined usage rules."

22.22.3 *Implementation Technologies*

I use "flex and bison compiler / translator generation technology" for creating YERITH–WEB–PAGES–GENERATOR–9.0–DSL. I plan to automatically generate code for enabling runtime monitoring of the generated web sites. A first version of this FOSS (Free And Open Source Software) is available at URL: "git https://www.github.com/yerithd/yerith-web-pages-generator-9 ".

22.22.4 YERITH–WEB–PAGES–GENERATOR–9.0–DSL *Keyword Table*

Figure 2: Webbrowser–based software architecture : at least 4 layers logical software architecture (Image copied from online pdf paper "FlashCache: A NAND Flash Memory File Cache for Low Power Web Servers" [***https://doi.org/10.1145/1176760.1176774] by Trevor et al.***)

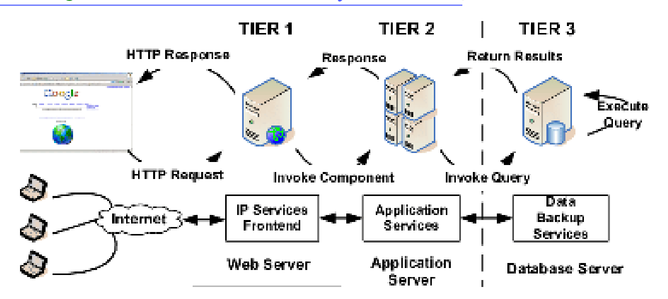


Table 1: YERITH–WEB–PAGES–GENERATOR–9.0–DSL keywords and meaning.

YERITH–WEB–DSL–9.0 keyword	(level) Nested in keyword	Programming related meaning
1. yerith_web_pages_generator_MAIN		Contains web site all pages description
2. web_html_page_menu_bar_headers	(1) yerith_web_pages_generator_MAIN	Contains web site each page menubar pages names
3. web_html_page	(1) yerith_web_pages_generator_MAIN	A HTML page description
4. yri_html_page_title	(3) web_html_page	A HTML page title
5. yri_html_page_input_header_menu_bar	(3) web_html_page	Inputs a menubar onto this HTML page
6. yri_html_page_text_SECTION	(3) web_html_page	Describes a text section on a HTML page
7. VARIABLE_YRI_PARAGRAPH	(6) yri_html_page_text_SECTION	Defines text paragraph within a HTML page
8. text_yri_font_size	(1) yerith_web_pages_generator_MAIN	Defines a font size
9. text_yri_width_box	(1) yerith_web_pages_generator_MAIN	Defines a width for a text paragraph

Table 1 depicts and explains commands and directives for creating web–based HTML pages sites.

We plan also the generation of web sites based on an ***"n–tiers architecture pattern"***, illustrated for instance in Figure 2; that demonstrated solid resistance in practice for more than 10 years now as demonstrated by applications server existence and usage such as:

1. **Apache tomcat application server**
2. **Glassfish application server**: mainly used in combination with Java OSI component–based software development architecture.
3. **Quercus PHP server interpreter application server**
4. **IBM websphere**

All this work has to solve the issue of generating certain portion of web sites for customers and users of "YERITH–ERP–9.0–PLATINUM"[1] Enterprise Resource Planing software in a time period in-between of 3 years from this year 2024.

"ALL THIS UNDER THE PROTECTION OF OUR LORD AND SAVIOR JEOVAH–NISSI IN HEAVEN."

12.12 Software Verification with *YERITH_QVGE*

A library or plugin at any layer (OR a combination mixture of layers) of a software system architecture could be verified and validated using YRI–DB–RUNTIME–VERIF by applying a receipt: IT would be sufficient to map each system call wanted for call sequence verification and / or validation to a MySQL query: So one doesn't need to re-create new QT-Dbus interfaces for YRI–DB–RUNTIME–VERIF: E.g.: "SYSTEM V libc".

Figure 3: Software system architecture of YRI-DB-RUNTIME-VERIF: it is also a runtime monitor container for software verification.

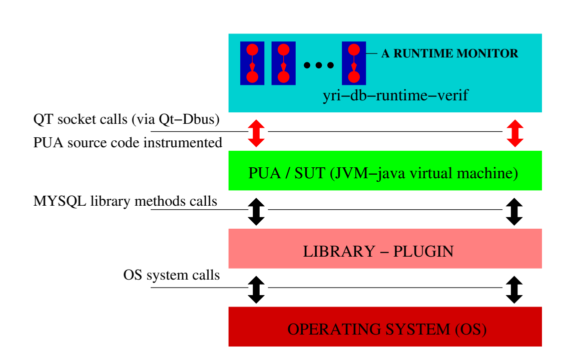
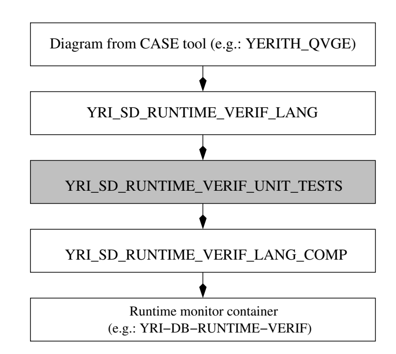


Figure 4: YRI_QVGE software stack dependencies.



2. Create **A FRAMEWORK FOR DYNAMIC** runtime analysis and monitoring of Temporal Safety Property in Plugin-based software (***Figure 4 illustrates graphically interdependency between these under described sub-projects.***).

   a. **YRI_QVGE (an extension of Qt-QVGE)**: A "CASE (computer-aided software engineering)", CLOSED SOURCE CODE SOFTWARE (CSCS), for creating and generating MEALY MACHINE STATE DIAGRAMS as GUI (GRAPHICAL USER INTERFACE) TOOL. [06/2022 – *CURRENT*]
   [*model-based testing, DSL – domain-specific languages*]

   "*THE GUI TOOL YERITH_QVGE (See Figure 7) GENERATES A FILE CONTAINING A MEALY MACHINE STATE DIAGRAM SPECIFICATION using YRI_SD_RUNTIME_VERIF_LANG; this file could be used as input for the compiler YRI_SD_RUNTIME_VERIF_LANG_COMP, so to gather a C^{++} package to run as runtime monitor within YRI-DB-RUNTIME-VERIF. THIS TOOL COSTS 2,500 EUROS.*"

   b. **YRI-DB-RUNTIME-VERIF**: A Dynamic Program Monitoring Recovering Analyzer Generator for any software emitting QtDbus messages per sockets (See subsection 12.12.3 (Runtime Verification), and / or Figure 8).

   "*THIS IS at time (November 8, 2024); State–of–art technology; comparable technology are for instance RT–Tester with TDIOHS (Timed Discrete Input / Output Hybrid System); State Diagram formalism From* "VERIFIED SYSTEMS INTERNATIONAL GMBH, SPIN–OFF THE UNIVERSITY OF BREMEN" *(RT–Tester, MBT[1]).* ***TDIOHS complies fully with all semantic elements of HAREL–statecharts !***

   "*AND technologies "IBM Purify Plus"; "LOGSCOPE" ("Specification–Based Monitoring in C^{++}") and "DejaVu" ("DejaVu: A Monitoring Tool for First-Order Temporal Logic") by '[Dr. Klaus Havelund] at N.A.S.A'.*"

   - **YRI-DB-RUNTIME-VERIF**: git https://www.github.com/yerithd/yri-db-runtime-verif

   c. **YRI_SD_RUNTIME_VERIF_LANG_COMP: a compiler using flex and bison, for YRI_SD_RUNTIME_VERIF specification language (YRI_SD_RUNTIME_VERIF_LANG), so to automatically generate C^{++} code for runtime monitors implemented in YRI-DB-RUNTIME-VERIF.** [04/2023 – *CURRENT*]
   [*compilers, model-based testing, reactive system analysis, domain-specific languages*]

   "*COMPETITORS from LOGSCOPE and DejaVu; AND RT–Tester, MBT[1]; have similar description state diagram language; but work all of them as SPECIFICATION OF WISHED PROGRAM BEHAVIOR; whereas SDMM[?d] works at SPECIFICATION OF FORBIDDEN (fail) PROGRAM BEHAVIOR.*"

   - **YRI_SD_RUNTIME_VERIF_LANG_COMP**: git https://www.github.com/yerithd/yri_sd_runtime_verif_lang

   d. **YRI_SD_RUNTIME_VERIF_LANG: A SPECIFICATION LANGUAGE FOR STATE DIAGRAM MEALY MACHINE (SDMM) extended with pre- /post-conditions on STATE DIAGRAM TRANSITIONS and with a final state.** (https://www.zenodo.org/records/13232567) [04/2023 – *CURRENT*]
   [*model-based testing, reactive system analysis, domain-specific languages*]

   "*In comparison to statecharts ["Statecharts: a visual formalism for complex systems" (https://www.bibsonomy.org/bibtex/2462cc2a9db87a5788c405cc577968d5f/rnesselrath)] which is a* **visual formalism** *for states diagrams,* ***YRI_SD_RUNTIME_VERIF_LANG doesn't support at time for instance the following features: hierarchical states (composite state, submachine state), timing conditions.***"

   - **YRI_SD_RUNTIME_VERIF_LANG_COMP**: git https://www.github.com/yerithd/yri_sd_runtime_verif_lang

   e. **YRI_SD_RUNTIME_VERIF_UNIT_TESTS: UNIT TESTING PROJECT for YRI_SD_RUNTIME_VERIF.** [06/2022 – *CURRENT*]
   "*THIS test unit suite is there to check peculiarities of project YRI_SD_RUNTIME_VERIF; As a Free And OPEN SOURCE CODE SOFTWARE (foss), I strongly recommend using it before committing changes to the main git-branch project.*"

   - **YRI_SD_RUNTIME_VERIF_UNIT_TESTS**: git https://www.github.com/yerithd/yri_sd_runtime_verif_UNIT_TESTS

   f. **YRI_SD_RUNTIME_VERIF / YRI-DB-RUNTIME-VERIF: a framework for verifying SQL software correctness properties of gui software at runtime** [06/2022 – *CURRENT*]

   [*model–based testing, reactive system analysis, computer software program analysis, computer software dynamic program analysis, software integration testing with SQL and GUI, runtime monitoring*]

   "*YOU SPECIFY USING A STATE DIAGRAM AN ERRONEOUS SUT (SYSTEM UNDER TEST) TYPESTATE STYLE BEHAVIOR with YRI_SD_RUNTIME_VERIF. USING YRI–DB–RUNTIME–VERIF, YOU CHECK AT RUNTIME WHETHER SUCH AN ERRONEOUS SUT SEQUENCE BEHAVIOR OCCURS.*"

   - **YRI_SD_RUNTIME_VERIF**: git https://www.github.com/yerithd/yri_sd_runtime_verif

12.12.1 *Software Verification VS Program Code Verification*

Figure 5: Embedded program verifier notifier within YERITH–ERP–9.0–platinum; YRI–DB–RUNTIME–VERIF runs as a background process service.

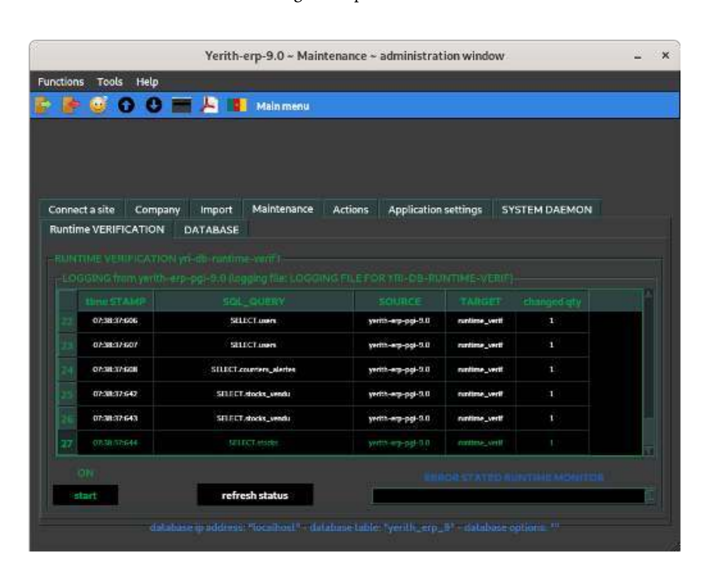
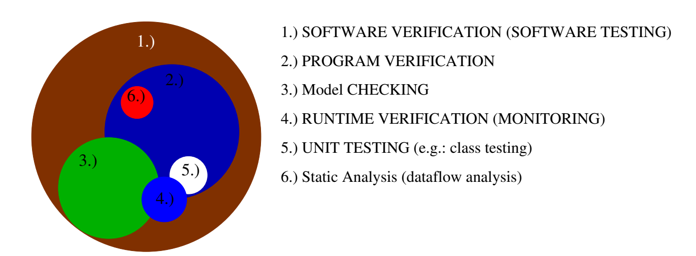


Figure 6: "Program verification (including model checking)" is a subset (⊂) of "SOFTWARE VERIFICATION". (See also research goal 7.)



Software System verification is a discipline to verify whether a software, meaning a product use at customer level and full–featured, conforms to certain software system user related usage properties.

In contrast, program code verification checks only program at the level of their source code or binary code product against code programming related properties, And not necessarily at level of a full featured user level product. Thus all code programming related properties could be cast down to certain software system related properties. ***It follows PROGRAM VERIFICATION is a Subset Of Software (System) Verification: illustrated in Figure 6 !***

12.12.2 *How to use YERITH_QVGE*

A software component or a whole running software binary could be verified against SQL correctness temporal properties by USING **YRI_QVGE**, as illustrated in Figure 3: The 1st **layer** illustrates the runtime verifier tester monitor engine: YRI–DB–RUNTIME–VERIF, that entails several custom runtime monitor specifications, provided by user.

The 2nd **layer** shows the ***SUT (System Under Test); or PUA (Program Under Analysis);*** layer that communicates with YRI–DB–RUNTIME–VERIF trough QT socket calls (via DBus messages). Each event message is sent to all runtime monitors. The SUT source code has been instrumented first, so to specify which program statements actions are to be packaged as messages to YRI–DB–RUNTIME–VERIF.

The 3rd **layer** illustrates a library or plugin (i.e.: `MySQL`) that is being monitored via instrumentation of the SUT; in this case, the SUT is YERITH–ERP–9.0–platinum. ***Other providers could modify An Open Source Code Version (FOSS) of YRI–DB–RUNTIME–VERIF to verify and monitor another library–plugin other than MySQL.***

The 4th **and last layer** shows the Operating System (OS) layer and its communication via systems calls with the 3rd layer of the library-plugin.

12.12.3 *How to use YERITH_QVGE in relation to verification cyber–security detection remediation methods.*

1. MODEL CHECKING (`https://wikipedia.org`):

   Temporal logic formalisms, such as LTL (Linear Temporal Logic) (`https://`); Could be used to create ***State Diagram Mealy Machine (SDMM)*** ***(https://www.archive.org/download/yri_ictss_2023/yri_ictss_2023.pdf)***[?d] and generate a binary executable of **YRI–DB–RUNTIME–VERIF** ***(https://www.zenodo.org/records/10474033)*** [?b] to perform runtime monitoring, and runtime SQL recovery of Graphical User Interface (GUI) supported software (And also not supported GUI software). Users must only note that "SDMM" specifications are *fail (forbidden) trace* behavior specifications of a program under analysis (SUT).

   Structures could be created on how to translate simple LTL constructs into simple "SDMM"; So to ease usage of YRI–DB–RUNTIME–VERIF;

2. RUNTIME VERIFICATION (MONITORING; INCLUDING SOFTWARE CYBER–SECURITY EXPLOIT DETECTION REMEDIATION):

   A whole class of problems involving sequencing of actions and / or method calls ranging from:

   - Application Programming Interface (API) checking protocol usage;
   - Software Security Vulnerability Analysis: I.E. Taint Analysis;
   - Information Flow Policy Control and Enforcement: I.E. ...
   - Checking of automated and / or manual (unit) test procedure conformance with regards to TESTED PROGRAM (SOFTWARE) temporal properties;
   - etc.

   Could be solved by usage of YRI–DB–RUNTIME–VERIF; YRI–DB–RUNTIME–VERIF GIT–REPOSITORY[?b]: git `https://www.github.com/yerithd/yri-db-runtime-verif` . ***"Pr. Prof. Dr. Jean Yang, Ph.D." from CMU–"Carnegie Melon University (https://www.cs.cmu.edu/~jyang2)" could be a potential competitor in this area of research.":***

   A. "`Jeeves Programming Language`" – last updated "October 2015" (`https://projects.csail.mit.edu/jeeves`)
      - API usage rule check at 'AKITA Software (`https://www.akita.com`)' in USA; California (CA).
      - "`Jeeves Programming Language`" enables static typing;
      - Dynamic code source rewriting to achieve Semantics; implemented as an embedded Domain Specific Language (DSL) in Python programming language (***IT is unclear in which document PROFESSOR JEAN yang checks that this code is correct***).

RESEARCH AND TEACHING OBJECTIVES IV – CONTINUED — 2 VS. Jeeves Programming Language

Table 2: Jeeves Programming Language Versus (Vs.) The Runtime Monitoring Verifier Tester YRI–DB–RUNTIME–VERIF

"Information Flow and Policy Control"	YRI–DB–RUNTIME–VERIF	Jeeves Programming Language
1. *Specification as a Domain Specific Language (DSL)*	Yes (stand–alone SDMM (HTTPS://WWW.ZENODO.ORG/RECORDS/13232567) [?d] DSL specification; Based on MEALY MACHINE AUTOMATON; "HAREL–statechart (https://www.bibsonomy.org/bibtex/2462cc2a9db87a5788c405cc577968d5f/rnesselrath) compatibility") ✓	yes (DSL embedded into Python)
2. *False (Positives) Warnings*	No (1 formal proof exists in JOURNAL PAPER (HTTPS://WWW.ZENODO.ORG/RECORDS/13232567) [?d]) ✓	⋆ yes (CHECK A REFERENCE)
3. *DSL Specification CARRIES DATA too*	Yes (as Qt-Dbus data parameters) ✓	yes (as local stack function/method parameter)
4. *As program annotations*	Yes (FOSS Library Qt-Dbus instructions) ✓	yes ('Jeeves' instructions)
5. *USABLE in a any programming language*	Yes (FOSS Library Qt-Dbus instructions) ✓	no (Only Python)
6. *ONLY usage with Python*	No (any programming language that could emit Qt-Dbus instructions) ✓	yes
7. *Embedded in a programming language*	NO ✓	yes (Python DSL library)
8. *CRASH could occur during analysis and / or policy enforcing*	NEVER	YES
9. *Execution runtime overhead*	No (concurrent event stream analysis monitoring verification) ✓	Yes (Embedded Python runtime dynamic source code rewriting)
10. *Persistent storage technology*	Yes; "MariaDB (https://www.mariadb.org) " ✓	Yes; "PostgreSQL (https://www.postgresql.org) " ✓

Table 2 compares tabularly the "Jeeves Programming Language" and "The Runtime Monitoring Verifier Tester YRI–DB–RUNTIME–VERIF". In contrast to the "Jeeves Programming Language" that specifies information flow policy and control enforcement for Python, YRI–DB–RUNTIME–VERIF is not implemented as programming language feature, and thus could be used for any software system that could emit Qt-Dbus signals; Thus, information flow control and enforcement is run as a separate process, concurrently to the system under analysis (verification or monitoring) as pictured in Figure 3.

Figure 10 illustrates a sample SDMM (HTTPS://WWW.ZENODO.ORG/RECORDS/13232567) [?d] specifying that a "FILE SHALL NOT be written–updated after it HAS BEEN CLOSED–DELETED".

12.12.4 *Runtime Dynamic Program Interpretation Rewriting with "Jeeves"*

The information flow policy control and enforcement solution provided by the "Jeeves Programming Language" is as follows:

1. A domain-specific language (DSL) is defined and embedded in a modification of the *dynamic interpreted* programming language Python. The drawback of an embedded DSL is a non re-usability in using other programming languages and framework other than those related closely to Python;

2. Only certain cases are flow policy control and enforcement are solved statically by "Python–Jeeves" type system;

   It means that 'false positives warnings' cases still exist in programmer code and couldn't be removed by static compilation and / or dynamic code interpretation.

   In contrast, "the mixed formal methods – runtime dynamic analysis monitoring" I used in "YRI_QVGE", don't allow by construction for 'false positives warnings': A 'false positive warning' is a message from the analyzing system that indicates an error accepting state while THERE IS IN EFFECT NO ERROR found yet.

3. Flow policy enforcement is solved dynamically at runtime by ***dynamic code rewriting***; WE HOPE that this feature could be proved sound for all program statements because it might create uncertainty of valid flow policy enforcement at all.

   Differently, "YRI_QVGE" uses SQL database statement query for performing error accepting state recovery (~~or also called "*Information Flow Policy Control and Enforcement*"~~).

12.12.5 *"Formal Methods – Runtime Dynamic Analysis" Vs. "Compiler Static Analysis Technology"*

I advocate:

1. Solving problems using compiler static analysis technology; that is based on lattice-theory is more safe than formal methods algorithms at first because MANUAL model checking has to be used to prove formal methods solutions correct, which could be very tedious and lengthy; ***OR EVEN INTRACTABLE***. SEE the state explosion problem (https://).

   On the other hand static dataflow analysis algorithms based on lattice-theory are safe by construction and don't need no more proofs of consistency and validity as long as they only follow the base–pattern algorithm as for instance defined by "Gary A. kildall A unified approach to global program optimization (http://doi.acm.org/10.1145/512927.512945)".

2. The formal method approach I use in solving problems listed in "Subsection 12.12.3"; a combination of formal methods with runtime dynamic analysis is as perfect as the *static dataflow analysis* standard algorithm by "Gary A. kildall", because **YRI_QVGE** uses only ***fail (forbidden) traces*** specifications and only exactly 1 outgoing edge for each transition in a STATE DIAGRAM MEALY MACHINE SPECIFICATION (HTTPS://WWW.ZENODO.ORG/RECORDS/13232567) [?d] :

   A whole class of problems involving sequencing of actions and / or method calls ranging from:

   - Application Programming Interface (API) checking protocol usage;
   - Software Security Vulnerability Analysis: I.E. Taint Analysis;
   - Information Flow Policy Control and Enforcement: I.E. ...
   - Checking of automated and / or manual (unit) test procedure conformance with regards to TESTED PROGRAM (SOFTWARE) temporal properties;
   - etc.

RESEARCH AND TEACHING OBJECTIVES IV – CONTINUED — 3 - STATIC ANALYSIS

3. Static Analysis (dataflow analysis by "Gary A. kildall A unified approach to global program optimization (http://doi.acm.org/10.1145/512927.512945)"):

   One could combine runtime verification analysis results with static dataflow analysis so to reduce search paths during static analysis; THUS reducing state explosion complexity problem and running time of static analysis algorithms.

RESEARCH AND TEACHING OBJECTIVES IV – CONTINUED — 4 – "QVGE"

12.12.6 *CASE (Computer-Aided Software Engineering) TOOL for Software System Verification*

Figure 7: A SCREENSHOT OF *YERITH_QVGE* FOR GRAPHICAL DESIGN OF STATE DIAGRAM MEALY MACHINE (SDMM) SPECIFICATIONS.

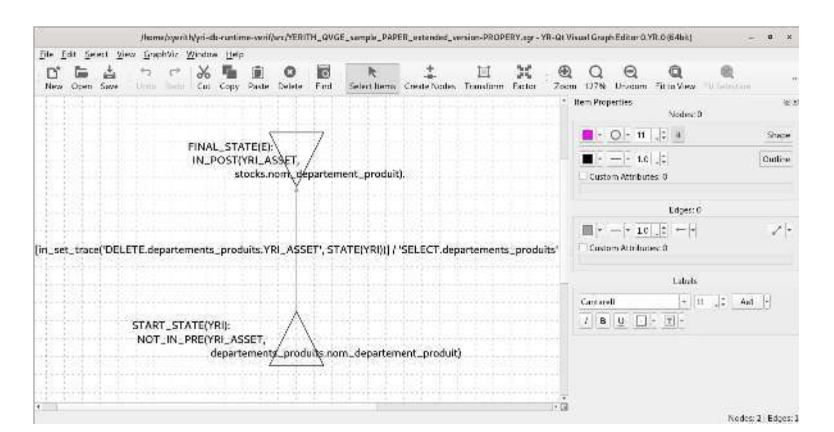
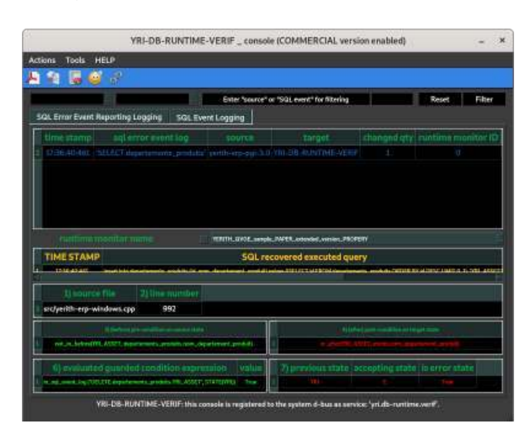


Figure 8: A SCREENSHOT OF YRI-DB-RUNTIME-VERIF SQL ERROR EVENT LOG.



1. Create and produce a computer device that could be embedded into other computer devices and that will communicate with them through serial ports and / or USB interfaces SO to provide YRI_QVGE program verification to USER FINISHED products on-the-fly, AS an add-on ENGINEERED industrial product: ALSO this product could qualify for an ISO–related certification for avionics, railways, automotive, and FDA—ISO certifications for Healthcare: YRI–QVGE–PC–TABLET.

POTENTIAL APPLICATIONS:

1. A linear accelerator control console communication protocol runtime monitoring;
2. A railway track controller program runtime monitoring console at site;
3. An aero-plane Maneuvering Characteristics Augmentation System (MCAS) runtime monitoring device
4. etc.

RESEARCH AND TEACHING OBJECTIVES III

1. **CREATE A VERY CHEAP AND PRAGMATIC *enterprise resource planing software* (ERP)** [Oct. 2015 – CURRENT]
[*agile development method, enterprise resource planing software, software engineering, computer software programming, computer software testing, computer program analysis*]
   a. RENDER ENTERPRISE RESOURCE PLANING (ERP) SOFTWARE SYSTEM USAGE AND MANIPULATION AS EASY AS READING A LEISURE OR RECREATIONAL BOOK SO TO REDUCE USER STRAIN SIZE ! (https://www.zenodo.org/record/8052724/)
   b. CONTRIBUTE TO REDUCE POVERTY BY IMPROVING SOFTWARE SYSTEM TECHNOLOGY FOR ENTERPRISE RESOURCE PLANING (ERP). (https://www.zenodo.org/record/8052724/)

   1. *All following advantages of using YERITH–ERP–9.0–platinum contributes to reduce waiting files; THUS increase the number of customers and clients of an entrepreneurial organization in AFRICA !*
   2. Best and accurate technology SHALL REDUCE management effort and produce more reliable and cost–minimized business financial accounting information that enables to anticipate and reduce time of decision making.
      1.) *Gathering an overview over all financial and commercial; And customers / clients transaction information comes in JUST 1 button pressing from business dashboard window.*
      2.) *Calculating beneficial and interests costs is just as easy as reading it from business financial dashboard report generated automatically real–time and real–data from sales and customers, and / or Acquisitions databases tables.*
   3. Best and accurate technology reduces time execution of commercial business transactions, and thus, associated costs.
      1.) *Ranking about sold and transferred goods and / or item stocks is best and just as easy done by reading it from a business commercial window dashboard; Ranking data decides what to order next for a better business turnover for your commercial financial entrepreneurial organization;*
      2.) *Ordering new item stocks is as easy as reading item stocks quantities from stocks window stock's inventory value.*
   4. So entrepreneurial commercial organizations could reduce a selling price without reducing its profit.

Figure 9: A Business Manager Main Window of YERITH–ERP–9.0–PLATINUM



14.14 R&D Software System Components

- YERITH–ERP–PGI–9.0 — git https://www.github.com/yerithd/yerith-erp-9-0
- YERITH–ERP–PGI–9.0–CONFIGURATIONS–DATA — https://www.zenodo.org/record/8072261/
- YERITH–ERP–PGI–9.0–WEB–SYSTEM — YERITH–ERP–PGI–9.0–WEB–SYSTEM[22.22] (git https://www.github.com/yerithd/yerith-web-pages-generator-9)
- YERITH–ERP–PGI–9.0–RM–SYSTEM — YRI_QVGE[?] (git https://www.github.com/yerithd/yri-db-runtime-verif)
- YERITH–ERP–PGI–9.0–SYSTEM–DAEMON — git https://www.github.com/yerithd/yerith-erp-9-0-system-daemon
- YERITH–ERP–PGI–9.0–RT–SYSTEM — *TODO for* YERITH–ERP–9.0–TRADING–REALTIME !!!

14.14.1 Detailed Presentation View

1. ERP software itself: YERITH–ERP–9.0–PLATINUM.
   FOSS code location — git https://www.github.com/yerithd/yerith-erp-9-0
2. Component 1: *yerith-erp-9-0-configurations-data*: Configuration data for YERITH–ERP–9.0–PLATINUM.
   This software component entails:
   - A configuration property file "yerith-erp-9-0.properties" that contains MariaDB database connection parameters data.
   - A configuration property file "yerith-erp-9-0-system-local-configuration-ENGLISH.properties" that contains local computer device and storage configuration parameters data.
   - A folder "yerith-erp-9-0-sql-backup-restore" where YERITH–ERP–9.0–PLATINUM database backups will be stored.
3. Component 2: YERITH–ERP–PGI–9.0–WEB–SYSTEM[22.22]: Web Sites Generator Software Component.
   FOSS code location — (git https://www.github.com/yerithd/yerith-web-pages-generator-9
4. Component 3: YRI_QVGE[?]: Runtime Monitoring Analysis Verification System.
   FOSS code location 1 — git https://www.github.com/yerithd/yri_sd_runtime_verif_lang
   FOSS code location 2 — git https://www.github.com/yerithd/yri_sd_runtime_verif
   FOSS code location 3 — git https://www.github.com/yerithd/yri-db-runtime-verif
   FOSS code location 4 — git https://www.github.com/yerithd/yri_sd_runtime_verif_UNIT_TESTS
5. Component 4: *yerith-erp-9-0-system-daemon*: Service daemon for alerts over inventory stocks, assets, and financial expenses.
   FOSS code location — git https://www.github.com/yerithd/yerith-erp-9-0-system-daemon

RESEARCH AND TEACHING OBJECTIVES III – CONTINUED — 2 – "DOCUMENTATION"

1. **CREATE A VERY CHEAP AND PRAGMATIC *enterprise resource planing software* (ERP)** [Oct. 2015 – CURRENT]
[*agile development method, enterprise resource planing software, software engineering, computer software programming, computer software testing, computer program analysis*]

15.15 Summary Documentation of YERITH–ERP–9.0–PLATINUM

- **YERITH–ERP–PGI–9.0** git https://www.github.com/yerithd/yerith-erp-9-0
  a. ***Database network connectivity – FRENCH*** Configuration MULTI–SITES (SUCCURSALES)
  https://www.archive.org/download/yerith-erp-multi-sites-base-de-donnees/YERITH-ERP_multi_sites_base_de_donnees.pdf
  b. ***Installation GUIDE – FRENCH*** Installation GUIDE – FRENCH
  https://www.zenodo.org/record/8060217
- **YERITH–ERP–PGI–9.0-CONFIGURATIONS-DATA** https://www.zenodo.org/record/8072261/
- **YERITH–ERP–PGI–9.0–WEB–SYSTEM** git https://www.github.com/yerithd/yerith-web-pages-generator-9
- **YERITH–ERP–PGI–9.0–RM–SYSTEM** git https://www.github.com/yerithd/yri-db-runtime-verif
- **YERITH–ERP–PGI–9.0–SYSTEM-DAEMON** git https://www.github.com/yerithd/yerith-erp-9-0-system-daemon
- **YERITH–ERP–PGI–9.0–RT–SYSTEM** ***TODO for*** YERITH–ERP–9.0–TRADING–REALTIME !!!

RESEARCH AND TEACHING OBJECTIVES II – Dissertation Thesis Doctor–PH.D. in Electrical & Computer Engineering

Figure 10: **A Mealy Machine State Diagram (SDMM) Specified Using YRI_SD_RUNTIME_VERIF Specification Language for NO–WRITE–AFTER–CLOSE memory check API file usage rule.**

```
yri_sd_mealy_automaton_spec YERITH_QVGE_sample_Write_after_close_file
{
 START_STATE(clsd):IN_PRE(g, is_alias(g, f))
  -> [in_set_trace('DELETE.file.f', STATE(clsd))] / 'UPDATE.file.g'->
   FINAL_STATE(WRITE_AFTER_CLOSE):IN_POST(g, is_alias(g, f)).
}
```

1. Create **A FRAMEWORK FOR STATIC** verification of Temporal Safety Property in Plugin–based software by static dataflow analysis mainly for the JVM–Java Virtual Machine; by late *Gary A. KILDALL* (https://en.wikipedia.org/wiki/Gary_Kildall).

   a. **Research Proposal (Doctoral Ph.D. Thesis) in Electrical & Computer Engineering:**
   "Temporal Property Verification in Plugin–based Software;" (Advised by Nomair Naeem | Ondřej Lhoták, Ph.D. | Patrick Lam, Ph.D.) |

   [UNIVERSITY OF WATERLOO, ONTARIO, CANADA] [Sep. 2009 – Dec. 2011]
   YERITH$_{R\&D}$, CENTER REGION, CAMEROON — (ADDENDUM WITH STATE DIAGRAM MEALY MACHINE (SDMM *(https://www.archive.org/download/yri_ictss_2023/yri_ictss_2023.pdf)*[?d])) [June 2024 – June 2024]

   [*API (application programming interfaces) typestate checking;, tracematches, computer software static program analysis, computer software dynamic program analysis, software testing, software integration testing, computer software cyber–security, GERMAN STYLE HABILITATION*]

16.16 RESEARCH WORK OVERVIEW

THIS IS A PRELIMINARY WORK ON CHECKING TEMPORAL SAFETY PROPERTIES USING A TRACEMATCH–ALIKE SPECIFICATION LANGUAGE; SOOT (https://www.soot-oss.github.io/soot) AND DATAFLOW ANALYSIS IS USED TO PRESENT A STATIC WHOLE PROGRAM ANALYSIS.

TRACEMATCHES alike specifications enable developers to specify API usage rule drawing, as a deterministic finite automaton (https://www.wikipedia.org). Patrick LAM and Xavier ~~noumbissi~~ NOUNDOU have at this effect presented short overview slides of 30 minutes at IBM workshop CASCON 2010 ! (https://www.sable.mcgill.ca/~clump/cdp2010/index.html). PDFSAM (https://www.pdfsam.org), and sample other Open Source Code Software (FOSS) ARE USED as benchmark for project evaluation.

17.17 SOLUTIONS WITH LLVM BY CHRIS LATTNER AT "APPLE LTD.".

Instead of the 1st proposed Java–Soot approach as a whole program static dataflow analysis, a whole program context–sensitive dataflow static taint analysis for C using LLVM could successfully be implemented and described in YERITH–SAINT *(https://www.zenodo.org/record/8051293)* [1?].

The 1st YERITH–SAINT algorithm was implemented for programs written in C programming language, and used a pre–processing step for analyzing points–to set using "poolalloc" (https://www.github.com/poolalloc) from Chris Lattner (https://www.llvm.org).

BECAUSE our static dataflow taint analysis algorithm works on three-address-code, LLVM compiler framework could also apply **YERITH–SAINT** to JAVA code as input programming language to LLVM frontend–compiler–framework (**Example : https://github.com/polyglot-compiler/JLang**) !

18.18 RELATED WORK: DYNAMIC PROGRAM ANALYSIS API–RULE CHECKER "TRACERORY"

"Unread memory verification" is an instance of API (Application Programming Interface) usage rule checking.

""TRACERORY" runtime unread memory verification tool of Jon Eyolfson" (https://www.hdl.handle.net/10012/6206) ; "Detecting Unread Memory Using Dynamic Binary Translation at RV 2013 in Turkey" (https://www.YRITOLOOKFOR.org) , Of my former office roommate at "ECE–Waterloo–formal–method Davis Center Room" (https://www.watform.uwaterloo.ca), 1st floor, and colleague in static dynamic program analysis, could be outperformed with use of **YRI–DB–RUNTIME–VERIF** ***(https://www.zenodo.org/records/10474033)*** [?b]: *"a runtime monitor container for state diagram mealy machines (SDMM)"*.

"TRACERORY" uses runtime program binary code instrumentation in "INTEL-pin" (https://www.wikipedia.org) to instrument running programs for purposes of detecting unread memory.

Figure 10 illustrates a sample "SDMM" specification with instrumentation of source code with statements 'DELETE.file.f' and 'UPDATE.file.g' for runtime verification monitoring of API usage rule for checking memory write integrity: Runtime function "is_alias(g, f)" tells whether heap variable "g", and "f" refers to the same memory address. Such a "SDMM" specification is synchronized against a running program within a runtime monitor container: **YRI–DB–RUNTIME–VERIF** (https://www.github.com/yerithd/yri-db-runtime-verif) .

20.20 CONCLUSION

"Due to incompatibilities with Patrick LAM; after March 10, 2015, I abandoned this research idea because I couldn't afford being laid–off without any letter or any other formal mean of communication other than telling a lie about a supposed ["Ph.D. Research Seminar"] at EIT building in Waterloo main (200 University Ave West) Campus! " (Ph.D. Dissertation Defence at DAVID R. Cheriton School OF Computer Science in "January 2015")

It is easier to specify forbidden-fail-traces instead of saying how traces shall be like. 4 experts in software systems were committee members of my doctoral PhD comprehensive examination AT UNIVERSITY OF WATERLOO, ONTARIO, CANADA:

1. *Ondřej Lhoták, Ph.D.* Email: olhotak@cs.uwaterloo.ca
2. *Derek Rayside, Ph.D., Professional Engineer (PEng, Ontario)* Email: drayside@uwaterloo.ca
3. *Patrick Lam, Ph.D., Professional Engineer (PEng, Ontario)* Email: p23lam@uwaterloo.ca
4. *Lin Tan, Ph.D., Professional Engineer (PEng, Ontario)* Email: lintan@purdue.edu

RESEARCH AND TEACHING (COURSES VISITED – AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. Courses I VISITED while at the University–racist of Waterloo, Ontario, CANADA |
   UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

   [*ECE 725 / CS 745 – "Fall 2009",*
   CS 744 – "SPRING 2011",
   First SUMMER SCHOOL on FORMAL techniques – "SPRING 2011",
   Computer Science related subjects courses,
   program analysis,
   program verification,
   model checking,
   compiler design]

Table 3: Visited Courses at THE university-racist of waterloo, ontario, canada-idiot

"Course Reference CODE" / "GRADE"	Course TITLE	Dispensing Department / SCHOOL
1. "**ECE 725** - Nancy Day" / "90%"	Computer–Aided VERIFICATION	ECE (ELECTRICAL & Computer engineering)
2. "**CS 744** - Ondřej Lhoták" / "86%"	Advanced Compiler Design	CS (School of Computer Science)
3. *"1st SUMMER SCHOOL on FORMAL techniques" / "N.A"*	First SUMMER SCHOOL on FORMAL techniques	menlo–racist–college (https://fm.csl.sri.com/SSFT11/index.shtml)

Table 3 illustrates all courses I VISITED successfully during my doctoral Ph.D. in electrical & COMPUTER engineering degree program at the UNIVERSITY-white-racist of waterloo.

1.) [***Advanced Compiler Design***]:

This project–racist–based course gave me the opportunity to learn perfection my theoretical knowledge and foundations in the following topics:

- COMPILER structure and optimizations

2.) [***Computer–Aided VERIFICATION***]:

This assignment-based course gave me the opportunity to learn foundations of the following topics:

- MANUAL THEOREM proving (also interactive theorem proving with `"interactive theorem prover"` ISABELLE–HOL (HIGH ORDER LOGIC))
- MODEL checking (EDMUND clarke et al.)
- Temporal LOGIC

The course instructor NANCY idiot day, was very verse in this material and could answer almost all questions without searching somewhere else than herself.

3.) [***1st SUMMER SCHOOL on FORMAL techniques***]:

This marvelous experience gave myself opportunities to meet and hear-listen from best talented researchers in following areas of industrial research among other topics that I CANNOT ALL REMEMBER :

- *"Interactive Theorem Proving with PVS"*
- *"Static Analysis by Abstract Interpretation"*
- *"Hardware / Software Co–Design"*
- *"Model Checking with JPF (JAVA PATHFINDER)"*

I AM ALWAYS GRATEFUL to professor idiot NANCY day for having given myself this marvelous experience through her personal recommendation, As required for admission in the summer school !

RESEARCH AND TEACHING (COURSES VISITED AS POST–DOCTORAND–FELLOW – AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. Courses I VISITED while at the University–racist of Waterloo, Ontario, CANADA |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2012 – Apr. 2015]

[*ECE 750 – "SPRING 2013",*
CS 846 – "WINTER 2013",
Online Software Security Course–racist–extreme – "WINTER 2013",
Computer Science related subjects courses,
program analysis,
program verification,
model checking,
Cyber–SECURITY–analysis,
compiler design] **Summary–PAGES**

Table 4: Visited Courses at THE university-racist of waterloo, ontario, canada-idiot

"Course Reference CODE" / "GRADE"	Course TITLE	Dispensing Department / SCHOOL
1. "**ECE 750** - Patrick Lam" / "88%"	Static Analysis for Software Engineering (SASE)	ECE (ELECTRICAL & Computer engineering)
2. "**CS 846** - FRANK Tip" / "88%"	Program Analysis for Web Apps	CS (School of Computer Science)
3. "*Online Software Security Course–racist–extreme*" / "85%"	Online Software Security Course–racist–extreme	Stanford university adult education online

Table 4 illustrates all courses I VISITED successfully during my doctoral PH.D. studies degree program in Electrical & Computer Engineering at the UNIVERSITY-white-racist of waterloo.

1.) [*Program Analysis for Web Apps*]:

THIS project-based course provided myself an opportunity to DISCOVER, design and implement a web–based dynamic TAINT analysis for a PHP–Java interpreter; I.E. a "Java application server" that also interprets and use PHP libraries and code :

"A Dynamic Taint Analysis for PHP in Quercus" (**https://www.zenodo.org/record/8051621/**) :

1. git https://www.github.com/xnoundou/xresin-taint-analysis
2. git https://www.github.com/xnoundou/xresin-taint-analysis-tests

2.) [*Static Analysis for Software Engineering (SASE)*]:

THIS project-based course provided myself an opportunity to design and implement a static TAINT dataflow analysis: YERITH–SAINT (**https://www.zenodo.org/record/8051293**) :

- git https://www.github.com/sazzad114/saint

I didn't appreciate that instructor PATRICK–lam came to contest my Correct and Righteous definition of taint source and taint sink in front of class during my presentation; AND THAT he was wrong when he said we shall check the internet media; IT DOESN'T make sense to contest something that a doctor–PH.D. has prepared at least 4 weeks in advance such as he did !!!

3.) [*Online Software Security Course–racist–extreme*]:

I took this software security course to acquire more knowledge in software security vulnerability analysis and detection from a pioneer–leader as university in this area of research as demonstrated by publications and startups created by alumni.

*MONICA–lam (**https://stanford.edu/suif**) for instance is a very renowned scholar and tech–entrepreneur in security vulnerability research and analysis. THis online web course was very interesting from a content point of view for me as a doctor–of–engineering–ph.d..*

*ESPECIALLY because I WAS working on my "YERITH–SAINT algorithm" (**https://www.archive.org/download/jh-nissi-ece-uwaterloo-grad-talk-2014-04-16/JH_NISSI_ECE_UWATERLOO_GRAD_TALK_2014_04__16.pdf**) FOR detecting, with static dataflow code analysis "à la "Gary A. kildall : A unified approach to global program optimization (**https://doi.acm.org/10.1145/512927.512945**)"", and fixing the HEARTBLEED–security breach bug in "OpenSSL-1.0.1-f" source code (**https://**) :*

- git https://www.github.com/sazzad114/saint

"BUT i could notify when i started passing the online examination for getting a printed sent per mailbox certificate; THAT there was a kind of re-make in another stand so "that I WOULD NEVER PASS with more than 95%" as required to acquire that certificate – (I HAD PAID around $500 USA dollars for attending this online graduate adult education course)" !!! "

"I Was almost always getting a "84% grade" ("3 times") !
THIS actually represents the successful passing required academic grade for a doctoral level course at WATERLOO."

"I HAD EVEN visited the premises of STANFORD university together with SANDY–beidu–gay–idiot-from-ghana-cuon-pd "in year 2011" while attending a formal method techniques school at ATHERTON-COLLEGE nearby "by around 40 minutes drive"."

Doctor–PH.D. in Electrical & Computer Engineering – REPORTS - 2010

YEARS "09 / 2009" – "2010" SUMMARY-PAGES

— I have prepared, and presented a static dataflow analysis in November 2010 at IBM workshop CDP CASCON 2010 (https://www.sable.mcgill.ca/~clump/cdp2010/index.html).

[Workshop–CDp; IBM casCon 2010]

The goal of this static dataflow analysis was to solve the issue of temporal property API rule checking in Plugin–based software.

— I co-taught and assigned marked with Patrick for courses:
1. "Programming for Performance (ECE 459)";
2. "Software Testing, Quality Assurance and Maintenance (ECE 453 / SE 465)".

— I have successfully attended the course ("CS 745 / ECE 725") – Computer–Aided Verification (https://www.cs.uwaterloo.ca/~nday), taught by "Prof. Dr. Nancy Day". I could learn about following topics:

COURSE–ECE 725

*THIS psy–professor is somewhat "a culprit of canadian armed robber forces only for black–descendants; Including iranian; holy-bible–CYRUS–ISIAH-45" (**https://www.saintebible.com/lsg/isaiah/45.htm**).*

1. OCAML functional programming language
2. Propositional Logic
3. First Order Logic (Predicate logic)
4. Higher Order Logic (Lambda Calculus) "with `Haskell`"
5. Theorem Proving
6. Interactive Theorem Proving with "`Isabelle HOL`"
7. Model Checking (with use of "SMV model checker")
8. etc.

— I have met in–person "Pr. Prof. Dr.–Ing. Nomair Naeem" (HELP with understanding of static dataflow analysis algorithms): "Especially with context–sensitive parametric analysis".

— ***I have as roommate and best–friend [Diplom–Ingenieur–Informatik (Dipl.–Ing.–Inf.)] THOMAS REIDEMEISTER, 'aus MAGDEBURG'. He is also a computer engineer graduate student "in ECE at THE university of Waterloo, ON".***

***THOMAS** (**https://www.reidemeister.com**) is so much helping to myself including recommending myself a "JAPANESE toyota corolla LE 2003–(plate BLAB 045)" car as buying tip because of low costs in maintenance in ontarian–Canada.*

I learned at least 80% of a happyfull life in ontarian Canada from THOMAS as a kind of senior brother of mine.
1. Difference between brunch and lunch; with an invitation for a brunch in KITCHENER: I cannot remember the name of this very nice restaurant by a sunday–morning;
2. Farmer's market in Kitchener;
3. ⋆ ⋆ ⋆—*Asian food market stores in Kitchener*—⋆ ⋆ ⋆;
4. etc.

"THOMAS moved–in into our student house as replacement for a nigerian so called CHRISTIAN-faked TOMIWA ADAMURULA (tom)."

"AS I have matured myself, "today, in 2024, "September 1st;" THOMAS must be from NAZI-ss–combat engineering against black–descendants like "cameroonian MARTIN tchamgoue", employed at LABFORGE.CA (https://www.labforge.ca) ".

I could remember being very happy all time with ⋆ ⋆ ⋆—***JOHN and ANNA GULDEMOND***—⋆ ⋆ ⋆ the sweet–nice landlords.

20.20 Years "09 / 2009" – "2010"

Summary-PAGES

— I have met in–person Prof. Dr. Eric Bodden at our (Xavier, JON eyolfson) office room in "Davis Center".

— I have improved my technical skills in following areas by reading technical reports and conference articles:
1. "Program Verification (Ph.D. thesis from Patrick LAM)" (https://patricklam.ca)
2. Algorithm Design, and Implementation (from book "Introduction to Algorithms" (https://www.amazon.com/Introduction-Algorithms-fourth-Thomas-Cormen/dp/026204630X/ref=sr_1_1?crid=2UBHH37C2Y2J3&dib=eyJ2IjoiMSJ9.RxrAGDmePG_uPSHKskT1qe4eJp18_sU0zfGdVFedlBzcVOqunH6HMFDuvjfBk5T7_hbHBgRqWHVSmsYFd0OP9qIyOhMWcDwVMeRQodxABi7cszQQi1XxeWBu8jZqpGALecudSCyPct_N4de9gwldrRqhL2Alh8huCTZ2PeIofPH8JLCoUOjaTq8vuQ-G7z1Jdit5yRk2hl627B7GRAFVG3fiolk8kSGbcuK5_JsFw6g.AobHaMGD2q1MBzQIcdziArWAzLVbUQztj2REK1DRJ0Y&dib_tag=se&keywords=CS+Algorithm+book&qid=1726183252&s=books&sprefix=cs+algorithm+book%2Cstripbooks-intl-ship%2C313&sr=1-1));
3. Deterministic and Nondeterministic finite automata theory;
4. Java and its virtual machine;
5. Static Dataflow Analysis by *Gary A. KILDALL* (https://en.wikipedia.org/wiki/Gary_Kildall);
   a. SOOT framework (https://www.soot-oss.github.io/soot) ;
   b. "Tracematches formalism by Hendren, Lhoták, et al." (https://plg.uwaterloo.ca/~olhotak/pubs/rv07.pdf)

— *I have attended following workshops and conferences*:

[IBM WORKSHOP–CDP CASCON 2010]

1. "*IBM workshop CDP CASCON* 2010 *(https://www.sable.mcgill.ca/~clump/cdp2010/index.html)*"
   a. I could talk briefly with Patrick Doyle from J9–Java (https://www.ibm.com/docs/en/configurepricequote/10.0?topic=machines-j9-jvm) JIT–compilation team at IBM Toronto Software Lab
   b. Maxime Boisvert Chevallier (https://scholar.google.ca/citations?user=lSg6I8gAAAAJ&hl=en)
2. "*I have reviewed technical & scientific papers for OOPSLA* 2010 *(https://dl.acm.org/action/showFmPdf?doi=10.1145%2F1869459&ved=2ahUKEwiboYOExb6IAxXdgP0HHfmOA2YQFnoECCIQAQ&usg=AOvVaw0DwvmxPoRXI7v__J6preeu).*"

   [OOPSLA 2010]
3. "*I have attended the conference "Programming Language Design And Implementation (PLDI* 2009*)" in Toronto:*"

   [International CONDEFERENCE–pldi-racist-extreme; PLDI 2009]

   - "Pr. Prof. Dr. JEAN yang (https://www.cs.cmu.edu/~jyang2)", she was a then Ph.D. student and candidate at "MIT (https://people.csail.mit.edu/jeanyang/index.htm) ".
   - "Nurudeen Lameed (from Nigeria) (https://www.sable.mcgill.ca/~nlamee)", "and other SABLE-mcgill (https://sable.mcgill.ca) graduate students" and I presented to each other;
   - "Pr. Prof. Dr. Tom Ball from Microsoft Research (MSR) (https://www.microsoft.com/en-us/research/people/tball)", and I presented each other.
   - "Florian Zuleger (from Austria) (https://informatics.tuwien.ac.at/people/florian-zuleger)", and I presented each other.
   - "Stephan Zucker, PhD (from Switzerland) (https://)", and I presented each other.

21.21 YEAR "2011"

Summary-PAGES

— ***"December* 20*th*, 2011"**:

I have prepared and successfully passed my doctoral PhD comprehensive examination in front of at least 4 experts in Software System:

1. *Prof. Dr. Ondřej Lhoták, Ph.D.*
2. *Prof. Dr. Derek Rayside, Ph.D., Professional Engineer (PEng, Ontario)*
3. *Prof. Dr. Patrick Lam, Ph.D., Professional Engineer (PEng, Ontario)*
4. *Prof. Dr. Lin Tan, Ph.D., Professional Engineer (PEng, Ontario)*

— I co-taught and assigned marked with Patrick for course:
1. "Programming for Performance (ECE 459)".

— I have successfully attended the course "CS 744" – Advanced Compiler Design (https://www.cs.uwaterloo.ca/~olhotak/), taught by "Pr. Prof. Dr.–Ing. Ondřej Lhoták".
I could learn about following topics:

COURSE–CS 744

1. SOOT framework (https://www.soot-oss.github.io/soot)
2. Meet Over Paths (MOP)
3. Basic Block (BB), Control Flow Graph (CFG)
4. Three–Address–Code ("3–Address–Code")
5. Static Single Assignment Form "(SSA form)"
6. Pointer (Alias) Analysis
7. Static Dataflow Analysis by *Gary A. KILDALL* (https://en.wikipedia.org/wiki/Gary_Kildall);
8. Transfer flow functions
9. Components of an advanced Compiler (E.g.: Optimizer, backend, etc.)

— I have met in–person "Michael Pradel". (https://)

— I have met in–person "ALEXIE tcheuyap–idiot-cuon-pd". (https://utoronto/alexie...)

— ***I have, in summer* 2011*, received a personal visit of* "*Mae Wandji*"*, baby of my uncle maternal "Théodore & Aurélie Wandji Yagno Kamdoum": she was accompanied by "her mother Aurélie Yagno Wandji" !***
" "Mae Wandji", and her mother "Aurélie Wandji Yagno Kamdoum", I dedicate a successful PhD comprehensive examination ! "

— I have met in–person Prof. Dr. MARTIN vechev. (https://)

— I attended successfully the summer school: **"First Summer School on Formal Techniques"** (https://fm.csl.sri.com/SSFT11/index.shtml); organized by The "National Science Foundation (NSF)" located at SOFTWARE RESEARCH INSTITUTE INTERNATIONAL (SRI International), at "Menlo College, Atherton, California, USA" from May 22, **2011** until May 27, **2011**.

[ATHERTON-COLLEGE] / ["1st Summer School on Formal Techniques"–2011]

Topics we learned about and practiced where among others:

- *"Interactive Theorem Proving with PVS"* (by ***"Pr. Prof. Dr.–Ing. Natarayan Shankar"***)
- *"Static Analysis by Abstract Interpretation"* (by ***"Pr. Prof. Dr.–Ing. David Moniaux"***)
- *"Hardware / Software Co–Design"*
- *"Model Checking with JPF (JAVA PATHFINDER)"* (by ***"Pr. Prof. Dr.–Ing. Villem WISSER–neger-racist-stelenbosh-university-SA"***)

— I have improved my technical skills in following areas by reading technical reports and conference articles:
1. Algorithm Design, and Implementation (from book "Introduction to Algorithms" (https://www.amazon.com/Introduction-Algorithms-fourth-Thomas-Cormen/dp/026204630X/ref=sr_1_1?crid=2UBHH37C2Y2J3&dib=eyJ2IjoiMSJ9.RxrAGDmePG_uPSHKskT1qe4eJp18_sU0zfGdVFedlBzcVOqunH6HMFDuvjfBk5T7_hbHBgRqWHVSmsYFd0OP9qIyOhMWcDwVMeRQodxABi7cszQQi1XxeWBu8jZqpGALecudSCyPct_N4de9gwldrRqhL2Alh8huCTZ2PeIofPH8JLCoUOjaTq8vuQ-G7z1Jdit5yRk2hl627B7GRAFVG3fiolk8kSGbcuK5_JsFw6g.AobHaMGD2q1MBzQIcdziArWAzLVbUQztj2REK1DRJ0Y&dib_tag=se&keywords=CS+Algorithm+book&qid=1726183252&s=books&sprefix=cs+algorithm+book%2Cstripbooks-intl-ship%2C313&sr=1-1));
2. Deterministic and Nondeterministic finite automata theory;
3. Java component-based software development by OSI architecture and Eclipse IDE (Integrated Development Environment);
4. Java and its virtual machine;

22.22 YEAR "2012"

Summary-PAGES

— I co-taught and assigned marked with Patrick & Derek Rayside & Jon Eyolfson & Leo Passos, etc. for courses:
1. "Compilers (ECE 351)": ***Python scripts were written to automatically correct programming assignments from code source repositories***.

— *I went for an academic and professional internship at IBM Toronto Software Lab*;
I wanted to improve my programming languages design and implementation skills as well as BASH–scripting.

I spent 2 Academic terms (8 months) in Markham (Ontario, Canada) for this internship.

I worked there under supervision of ["*Patrick Doyle, M.ASc.*",] and then "*Prof. Vijay Sundaresan, M.Sc.*".

- I worked principally as a tester for certain optimization features of the "J9 JIT compiler" for the `Java` application server (Servlet container) IBM Websphere (`https://`) under "*Prof. Vijay Sundaresan, M.Sc.*". I was writing BASH–scripts to run and evaluate implemented certain optimization features for the "J9 JIT compiler" for the `Java` application server.
- I could attend to lectures given at IBM Toronto Software Lab by "Pr. Prof. Dr.–Ing. Clark Verbrugge" from McGill University (`https://mcgill.ca`) on Creating Optimizations for Compilers.
- I could improve my skills with the following tools among others:
  1. "GNU–bash" (`ftp://ftp.gnu.org/pub/gnu/bash`)
  2. "GNU–vi / GNU–vim" (`https://www.vim.org`)
  3. "GNU–screen" (`https://savan-nah.gnu.org/projects/screen`).

— "*Prof. Vijay Sundaresan, M.Sc.*" wanted myself to be back next summer for another internship with him at IBM: unfortunately I resigned from this engagement because I felt I had to go back in my home country: Cameroon !

— I befriended myself at IBM with "Aayush Prakash, M.ASc. (Waterloo, 2013)" (`https://`).
1. I had a toyota corolla 2007 LUXUS EDITION; that's why Aayush PRAKASH 1st contacted me so I could help him mornings.

   I tried trice but I COULDN'T anymore because I COULDN'T wake up so early; because MARKHAM is a very big city with so much traffic. BUT WE STAYED friend for ever.

   THX. BRO.
2. We then became roommate in Waterloo the following fall (September – December) term; I COULD appreciate someone nice and very comfortable with my living style since I am the one that was principally renting the 2–bedroom apartment on 16–457 ALBERT–STREET.

   HE never not paid his subrent; and was also kind to learn more about how to better maintain a common washroom.

   THEN he moved to IBM after successfully graduating with a M.ASc. in Electrical & Computer Engineering from PROFESSOR-racist HIREN–patel–racist !

   I then went several times to visit AAYUSH when he moved to Toronto.

— I befriended myself in Toronto with the following fellow Cameroonian:
1. "Prof. Dr. Alexie Tcheuyap, Ph.D. (Laval, "French Literature", Quebec, Canada, 2008)" (`https://utoronto.ca/~alexie`);
2. "Erick Djeuyou Pokem, B.ASc. (Lilles, "Business Informatics–MIAGE", France, 2007)";
3. "Audrey Nguetie Tchamga, B.Sc. (Laval, "Actuarial Sciences", Quebec, Canada, 2008)";
4. 'Judith Ngaleu, B.Sc. (Montreal, "Telecommunication Engineering", Quebec, Canada, 2005)";
5. "Eunice Gapie Yemte, B.Sc. (Luxembourg, "Software Engineering", Luxembourg, 2008)";
6. "Valérie Yogho, B.Sc. (Montreal, "Electrical Engineering–Power", Quebec, Canada, 2008)";
7. "Tobie Guilliane, M.Sc. (Paris, "Financial Accounting", France, 2008)";
8. "Francis Mbiele Kamga, MBA (ESG, "Business Management", Paris, France, 2007)".
9. "FABRICE wilfried siemeni, ~~B.Eng., (FH–Berlin, "Food Processing Engineering", Berlin, GERMANY, 2005)~~; ~~Diploma (IHN, "applied HOLISTIC NUTRITIONIST", Mississauga, Toronto, Canada, 2012)~~; M.Sc. (FH–Berlin, "Food Processing Engineering", Berlin, GERMANY, 2006)".

— *I have attended following workshops and conferences in* 2012, together with "Pr. Prof. Dr.–Ing. Patrick LAM, Ph.D." (`https://`), after completion of the internship at IBM Toronto Software Lab (IBM Canada Ltd (`https://www.ibm.com`)):

[WORKSHOP–local MITACS Ontario; International CONFerence; ICse 2012]

1. "MITACS Ontario (`https://`) at the University of Waterloo on how to behave properly when having lunch and dessert with other professionals."
2. *"International Conference On Software Engineering (ICSE 2012)" (`https://`)* in Toronto downtown.

   1. ***I COULD TALK TO several researcher among employees of GRAMMATECH–racist–negger (`https://www.grammatech.com`) from THOMAS–reps at WISCONSIN–madison. (`https://www.uwisconsin.edu`)***

23.23 YEAR "2013"

Summary-PAGES

— ***I talked in–person with "Mahesh Tripunitara" about some of my non understanding about Doctor–PhD advisor of mine "Patrick Lam"; "MAHESH TRIPUNITARA" said I shall look for research collaborations within University of Waterloo and just put the name of "Patrick LAM" at end of a publication !***

I AM STILL VERY GRATEFUL for this insight into my life as a scientist that led me to try and talk successfully with following pro-eminent fellow computer scientist:

- ***"Vijay Ganesh"; very proud of having learned much of how to write a paper and / or reviews of other papers with him; I cannot be a Ph.D. or doctor without this collaboration !***

  THIS IS SOMEONE very good at teaching research skills only. I cannot say much about his private behavior since I generally don't mix my private life with professional life !

- ["Mohammad Hamdaqa" from THE STAR research lab (https://star.uwaterloo.ca)]
- "Aayush Prakash" (https://sites.google.com/!!!) (from IBM internship in Markham)
- "Leo Passos" from Generative Software Development research group at university of waterloo (https://gsd.uwaterloo.ca/~lpassos)
- ***"Frank Tip" (from IBM Research then as Professor at the University of Waterloo): AT all the very much inspirational about 'A SO CALLED taint analysis' in my research area at all.***

  Before visiting CS846 of "Frank Tip", I cannot know anything about what is a Taint Analysis (https://www.semanticscholar.org/paper/Temporal-Property-Verification-in-Plugin-based-Noundou/c68c2374b1dca17edab774ee8a1d09b015f29b33) .

  THIS CS846 (Program Analysis of Web Apps) is my best course as a graduate student in terms of working on related papers and writing reviews. Frank Tip is a very good and proud research manager !!!

  "*Only 1 tip, and you get all the clue about what you really need to do.*"

- "Pavel Parizek" (https://) (from Programming Language Research Group (PLG) (https://plg.uwaterloo.ca), invited by "Ondřej Lhoták")
- "BORZOO" (https://) (very respected in RV conferences series)

  THIS [friend-kkk] of sebastian fischmeister from AUSTRIA–adolf–hitler (https://uwaterloo.ca/~sfischme) is so kind that he let myself in his office to present what I really want to perform as research. BUT i could notify an office with kind of ground–tapestry for WHAT-the-fuck.

24.24 YEAR "2013"

Summary-PAGES

— I co-taught and assigned marked with "Mahesh Tripunitara" and "Igor Ivkovic" for courses:

1.) "Computer Networks (ECE 428)";
2.) "⋆ ⋆ ⋆ **Foundations of Software Engineering (ECE 651)** ⋆ ⋆ ⋆"
3.) "⋆ ⋆ ⋆ **Methods and Tools for Software Engineering (ECE 650)** ⋆ ⋆ ⋆".

Several employees from "Google Waterloo Inc. (https://www.google.ca) " attended lectures ***("Foundations of Software Engineering (ECE 651)", and "Methods and Tools for Software Engineering (ECE 650)")***;

[DIVAM JAIN racist from CA-U.S.A. even tried to make me hired there once ...].

— I started implementing a ***LLVM context–sensitive solution to my Research Proposal Thesis*** (https://www.zenodo.org/record/8051293) ; Because SPARK pointer analysis in SOOT (https://) didn't permit for pointer–analysis data as a stand–alone pre-processing step, as ***my early design of the static dataflow analysis suggested*** (https://www.semanticscholar.org/paper/Temporal-Property-Verification-in-Plugin-based-Noundou/c68c2374b1dca17edab774ee8a1d09b015f29b33) .

— I have successfully attended the course [Program Analysis of Web Apps ("CS 846")], taught by "Pr. Prof. Dr. Frank Tip" (https://northeastern.edu/~ftip). I could learn about following topics:

COURSE–CS 846

1. web applications
2. Javascript
3. dynamic analysis
4. static dataflow analysis
5. *'Quercus server" dynamic taint analysis (https://www.zenodo.org/record/8051621/)* [3] by practicing within a personal single project
6. scientific papers reading and comparison.

— I have successfully attended the course Static Analysis for Software Engineering (SASE) ("ECE 750"), taught by "Pr. Prof. Dr.–Ing. Patrick LAM" (https://www.patricklam.ca). I could learn about following topics:

COURSE–SASE–ECE 750

1. dynamic analysis
2. static dataflow analysis
3. *static taint analysis (https://www.zenodo.org/record/8051293)* [1?] by practicing within a personal single project:

   "I am the only one who had this idea of performing static taint analysis, because I previously did a dynamic taint analysis in FRANK-TIP-CS846—racist-course. THE CS OF UNIVERSITY OF WATERLOO wasn't (https://www.cs.uwaterloo.ca) even capable of [finding this racist–cs846 segregative course curriculum] when I asked for it in year 2022; Even FTP, the creator of it WASN'T confident to give it to a black from AFRICA ! "

   [*r*-IT Seems NDJATIE-from-rotary commanded again FTP from the inside.]; EVEN her husband ["pr. shanda; YVAN-plumber-bafang-babouantou"], is very well recommended by YAOUNDEACS these days. (https://)

   [AHHHH, also THE general of science KLAUS HAVELUND from N.A.S.A (https://www.nasa.gov/YaoundeACS) was also invited by my emails so to acquire some knowledge about [YRI–DB–RUNTIME–VERIF] since his paper with SFISCHME wasn't very proper.] (https://www.ece.uwaterloo.ca/~sfischme)
4. scientific papers reading and comparison.

— I have On the website of stanford university (https://www.stanford.edu) in the state of CALIFORNIA; IN–the-U.S "unsuccessfully (with "84% grade") attended" the course Software Security. I could learn about following topics:

[STANFORD.EDU–online-course-software-security 2013]

1. PRIVATE / PUBLIC INFRASTRUCTURE–key (GPG); CERTIFICATE–authority
2. CYPHER DECYPHER CRYPTOGRAPHY-algorithm
3. SSL-Secure–socket–layer protocol on HTTP protocol
4. ATTACKS strategies:
   1. SQL injection
   2. Buffer–overflow attack
   3. MAN-IN-MIDDLE attack
5. etc.

25.25 YEARS "2014" – "03 / 2015"

Summary-PAGES

— I find a very imposing book that explains in my better terms algorithms fixed point static dataflow analysis à la "Gary A. kildall : A unified approach to global program optimization (https://doi.acm.org/10.1145/512927.512945)":

- *"Advanced Compiler Design"; ISBN: "", by author from IBM: .*

THIS book doesn't destroy your brain like the book:

- ***"PROGRAM ANALYSIS"; ISBN: "", by author from AMSTERDAM: .***

I implemented my own static dataflow fixed point algorithm in C^{++} object–oriented, and I published it on my student Ph.D. page ~~https://ece.uwaterloo.ca/~xnoumbis~~; And on my defunct GITHUB.COM-web-page:.

I then improved and finished my static dataflow taint analysis, and starts preparing my Ph.D. research seminar as presented in booklets present in "ECE graduate students room" in EIT building !

NOT very long after this online internet–web publication; I LEAVE WATFFORM for Cameroon where I created YERITH R&D, and affiliated software systems programs.

— I met Pr. Prof. Dr.–Ing. Ondřej Lhoták (https://www.cs.uwaterloo.ca/~olhotak) in–person for a review of my created LLVM context–sensitive static dataflow analysis: HE WAS RELUCTANT only because of 1 missing application of the analysis.

— ***I assisted students in the LABORATORY for coding in C^{++} during 2 weeks:***

C^{++} Laboratory (ECE 250)

1. ***"C^{++} Laboratory (ECE 250)".***

[!!! Iranian canadian university of waterloo professors !]!!

My colleague JON EYOLFSON (https://jeyolfson.com) with Prof. Dr.–Ing. Ladan (https://ece.star.uwaterloo.ca), went to suppress my appointment illegally since I legally, according to ECE department regulations for 2 weeks vacation for personal illness purposes, sent JON eyolfson as a replacement laboratory instructor to myself to LADAN !

I couldn't recover my job as teaching assistant in laboratory at my stay–return from JON EYOLFSON that I sent to Prof. Dr.–Ing. Ladan, for only 2 weeks replacement of myself !

— I have prepared, and presented a context–sensitive static dataflow analysis in January 2015 at a DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE programming language research group (PLG) seminar talk.

[***Ph.D. Dissertation Defense at PLG***]

I had this work successfully approved at PLG by "dear-racist-idiot Ondřej Lhoták" (https://plg.uwaterloo.ca).

The title of my talk was: ***CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM*** (https://www.archive.org/download/jh-nissi-ece-uwaterloo-grad-talk-2014-04-16/JH_NISSI_ECE_UWATERLOO_GRAD_TALK_2014__04__16.pdf) ; the presented application was the finding of a buffer-overflow security vulnerability in SSL (Secure Socket Layer) protocol as found in the "HEARTBLEED bug" (https://).

"Dr.–PH.D. ALI TELAGHANI was the 1st iranian university of waterloo Ph.D. Candidate I reviewed. A former trainee of nancy day from watform. (https://www.watform.uwaterloo.ca) "

AT THE conference presentation table were present among others :

1. Pr. Prof. Dr. MAGNUS MADSEN (https://www.cs.au.dk/~magnusm)
2. Pr. Prof. Dr.–Ing. "Peter Alan Burh" (https://www.cs.uwaterloo.ca/about/people/pabuhr)
3. etc.

— I have prepared, and successfully presented a context–sensitive static dataflow analysis on "April 16, 2014" at an ECE graduate seminar talk.

[***Ph.D. Research Seminar***]

The title of my talk was: CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM (https://www.archive.org/download/jh-nissi-ece-uwaterloo-grad-talk-2014-04-16/JH_NISSI_ECE_UWATERLOO_GRAD_TALK_2014__04__16.pdf) .

The goal of this static dataflow analysis was to solve the issue of temporal property API rule checking in Plugin–based software by static dataflow taint analysis.

RESEARCH AND TEACHING OBJECTIVES 2 – Dissertation Thesis Doctor–PH.D. in Electrical & Computer Engineering – continued - Hindrance

26.26 Research Outcome Hindrance

Summary-PAGES

IT WASN'T POSSIBLE TO IMPLEMENT THE STATIC WHOLE PROGRAM ANALYSIS AS PRESENTED because of the non possibility to acquire points–to information as a pre–processing standalone phase/step from SPARK POINTER ANALYSIS FRAMEWORK IN SOOT.

It wasn't in my research interest for a "Ph.D. in Electrical & Computer Engineering" to dive into recreating a pointer analysis for SOOT by modifying for instance research outcome work of "AAKARSH NAIR, MASc (2009)".

It would be more productive to perform research with "Ondřej Lhoták" in "Mathematics Department at DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE" (https://www.cs.uwaterloo.ca/~olhotak) rather than with DR.-PH.D Patrick LAM at ECE Department. So I stayed out of this area of research for the "Ph.D. in Electrical & Computer Engineering"; Computer Software Engineering is more focused on developing methodologies around software rather than creating complex computer algorithms for calculation purposes; AS this is done in Computer Sciences (E.g.: "Ph.D. in Computer Science").

It is somehow also feasible for a "Computer Software Engineer" easily to implement a "pointer analysis as a Ph.D. in Computer Sciences could do whenever needed" !

I ("Doctor–PH.D. of Engineering Xavier Noumbissi Noundou") have, for instance demonstrated, I could at least at level of a pointer dataflow analysis design and implementation performed by implementing the 1st openly (FOSS) published on the internet (2015): CONTEXT-SENSITIVE STAGED STATIC DATAFLOW ANALYIS FOR C USING LLVM ! *(https://www.zenodo.org/record/8051293) [1?]* : "git https://www.github.com/sazzad114/saint ".

27.27 Research Outcome Plagiarism

Summary-PAGES

1. 1st of all, I need to mention that JON eyolfson has tried to remove all connections to my person in his documents I could see on the internet media and / or wherever else.

   FOR instance, JON eyolfson doesn't mention anymore he reviewed papers for OOPSLA 2010; I ASSUME because my name stays also in the document viewable from the web I COULD SEE last .. (https://dl.acm.org/action/showFmPdf?doi=10.1145%2F1869459&ved=2ahUKEwiboYOExb6IAxXdgP0HHfmOA2YQFnoECCIQAQ&usg=AOvVaw0DwvmxPoRXI7v__J6preeu)

   "Doctor–PH.D of Engineering JON EYOLFSON" (https://www.ece.utoronto.ca/people/eyolfson-j) could for instance implement a Gary A. KILDALL (https://en.wikipedia.org/wiki/Gary_Kildall) static dataflow pointer analysis based on my research outcome in "XAVIER NOUMBISSI NOUNDOU'S DOCTORAL EXCERPT DISSERTATION" (https://www.zenodo.org/record/8051293) *; Even though he didn't cite my previous work and also Gary A. KILDALL (https://en.wikipedia.org/wiki/Gary_Kildall).*

   Instead, HE WENT ON TO CITE "John B Kam and Jeffrey D. Ullman", in 'Monotone Data Flow Analysis Frameworks' !
   I could also notify that the description of the flow functions in JON EYOLFSON's doctoral thesis, Acknowledged by "Professor Doctor–PH.D of ENGINEERING "~~Ana Milanova~~" from RIP (Rensselaer Polytechnic Institute) (https://www.cs.rpi.edu/~milanova) ", Wasn't compliant to the highest academical standard as IT IS DUE for a university in ONTARIO–CANADA.

   "Jon" instead of performing a pre–processed step pointer analysis result searching, went on to implement a whole program static dataflow analysis, INCORPORATING an ~~LLVM~~–based pointer analysis, copied from my work, Without citing it ("I finished that work in 2015", While "JON Eyolfson" defended his Ph.D. thesis containing this pointer analysis in 2018).

   "I could also note it seems ["Ondřej Lhoták"] wasn't a member of JON eyolfson dissertation defence examination committee (https://www.cs.uwaterloo.ca/~olhotak), even though HE ('Ondřej Lhoták") is the most famous scientist in this area of research at the UNIVERSITY of WATERLOO based on his publication and citation record (https://dblp.org/pid/05/469.html). "

2. *" My intellectual and copyrighted work with "DIVAM JAIN, M.Math", now at ["Google Waterloo Inc."] (https://jobs.google.com/about/), has by now produced at least 11 scientific published papers worldwide, with money rewards, without my name on neither on them."*

   INSTEAD, other people reward from it:
   1. *Dr. Patrick LAM;*
   2. *Dr. Reid Holmes;*
   3. *Dr. Derek rayside;*
   4. *"zheng FELIX fang, M.ASc.";* (https://dblp.org/pid/170/1472.html)
   5. *etc.*

   QUARRELED PAPERS:
   1. "Identifying Test Refactoring Candidates with Assertion Fingerprints" (https://dl.acm.org/doi/abs/10.1145/2807426.2807437)

28.28 Research Outcome Plagiarism – CONTINued – 1

Summary-PAGES

1. *"Professor Araving Machinry" also used code sources results from my Static Dataflow Analysis without any citation of it in his Award winning USENIX paper; I mailed him in 2017; HE said that my work wasn't published by a peer-refereed conference and/or workshop, or whatsoever, THAT'S WHY he couldn't cite it.*

   Instead of citing the 1st original publication of a Free and Open Source Software code (FOSS), 2015, As I have published in on 'www.github.com (git https://www.github.com/sazzad114/saint)'; ARAVIND cited instead my competitor BODDEN–ERIC (https://www.bodden.de) (from Germany (https://www.fr.wikipedia.org/wiki/Allemagne) and Previous colleague of Patrick LAM (https://www.patricklam.ca) at McGill University (https://www.mcgill.ca)).

   Long after terminating my research collaboration with Patrick LAM at University of Waterloo, ONTARIO, CANADA; I could then notify that he was talking especially to "ARAVIND machinry my competitor about my research under his supposed supervision without telling it to myself !"

2. *A ghanaian ignorant, wretched worldwide called SANDY-beidu thinks he could behave so to alter my JEOVAH–NISSI-confidence at his underground-peggist home in bavaria–waterloo.*

   BEcause I rented a "ford fusion" during my travel to the "1st summer school on formal techniques" in ATHERTON, california; So to be mobile because I HAD TRAVELED to united states of america before when I WAS an employee of bavarian SIemens-medical-solutions; THIS guja went on to buy as his 1st car a similar "ford fusion" since he thought I WANTED to show up in front of him and ANOTHER black-afro-descendant from long-islands.

   I AM EVEN wondering how this lady from basement science could be invited to the summer school ! AT ALL ! may be a call–girl !

   FROM academic level point of view, this ignorant doctor of philosophy in computer science, SeEms to ignore what I COULD BUILD AS [enterprise resource planing (ERP–system) software !!!!!!!!!]

3. *JAN peleska from GERMANY, didn't say anything about the law against myself in Cameroon because he is the one who went to report false behaviors of myself to Cammeroon authorities about my living style in Germany without telling anything to me about.*

   Even at German Embassy in Yaounde, I could notify a strange behavior of people working there against myself while I came to complain against FRANCK–BIYA, son of PAUL BIYA. THIS GAY with my cousin PATRICE CABRAL SHANDA SANOU (decased by now since March 18, 2024 went to destroy my investment by creating a forestry society just opposite of my lawful building for peaceful habitation usage) !

   JAN peleska from GERMANY, also seems to be the one that said and commanded PATRICK LAM to destroy my career because I reluctantly refused to pursue doctoral Ph.D. research (https://www.informatik.uni-bremen.de/gesy) under his supervision at the University of Bremen; I.E. Jan peleska insulted violently myself in front of HELGE LOEDING (https://www.LOEDING-ONLINE.de), SERGE FOPOUSSI NONO ACHILLE (https://www.deutsche-digitale-bibliothek.de/person/gnd/141875240), etc.

   I cannot live with racial segregation !

RESEARCH AND TEACHING OBJECTIVES 2 – Dissertation Thesis Doctor–PH.D. in Electrical & Computer Engineering – continued - 2

Figure 11: YERITH–SAINT Algorithms Architecture. "poolalloc" pointer–alias analysis tool from "Chris Lattner" at "APPLE Ltd." is re–used.

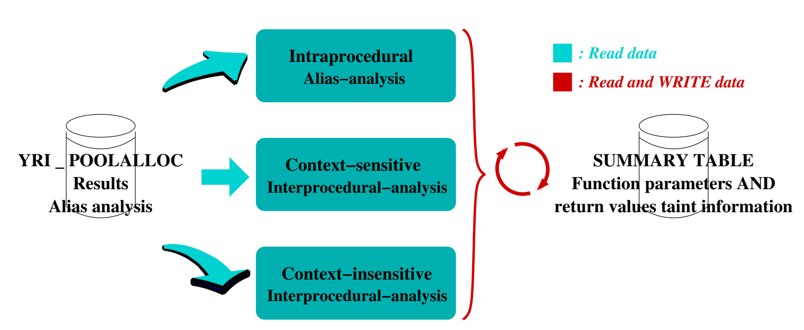


Figure 12: A sample *API rule violation* as tainted path "close(fd) => write(fd, &sum, sizeof(i)) L4—L7—L9—L10—L11" *(orange colored lines of code);* on `LLVM THREE-ADDRESS-CODE`.

```
      ssize_t write(int fd, const void *buf, size_t count); // taint sink

      uint SAVE_Document (unsigned x, int fd, const void *buf, size_t count) {
  L1: uint sum = 0 ;
  L2: uint i = 0;
  L3: if ( x == 2 )
■ L4: close(fd); //taint source; ''close(fd) => write(fd, &sum, sizeof(i))''
  L5: else    //not VALID api rule check !
  L6: sum = 0 ;
■ L7: if ( i >= x )
  L8: goto L12 ;
■ L9: sum = sum + i ;
■ L10: i = i + 1;
■ L11: write(fd, &sum, sizeof(i));
  L12: goto L6;
  L13: return sum; }
```

1. Create **A FRAMEWORK FOR STATIC** verification of [Temporal Safety Property in Plugin–based software by taint analysis] – Continued

   b. **Doctoral "Ph.D. degree" Dissertation in Electrical & Computer Engineering**: "***Context–Sensitive Staged Static Taint Analysis for C using LLVM***"; (Advised by Pr. Prof. Dr.–Ing. Nomair Naeem | Pr. Prof. Dr. Ondřej Lhoták | Pr. Prof. Dr.–Ing. Frank Tip | Pr. Prof. Dr.–Ing. Patrick Lam | Pr. Prof. Dr.–Ing. Vijay Ganesh) |

   UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA [SEP. 2012 – AUG. 2015]
   YERITH$_{R\&D}$, CENTER REGION, CAMEROON — (ADDENDUM WITH TYPESTATE–API USAGE RULE CHECKING; STATE DIAGRAM MEALY MACHINE (SDMM[?d])) [JUNE 2024 – JUNE 2024]

   [*API (application programming interfaces) typestate checking, tracematches, temporal safety property verification, cyber–security, software security vulnerability analysis, computer software static program analysis, computer software dynamic program analysis, software testing, software integration testing, GERMAN STYLE HABILITATION, Disputation–january–2015–DC-room–PETER-ALAN-BUHR*]

   The same class of problems that solve taint analysis issues resolve also API usage rules checking for specification of forbidden usage rules as a typestate specification. A violated API typestate (tracematch–alike) usage rule corresponds to a tainted path or a sub–tainted path (E.g.: path "L4—L7—L9—L10—L11" in Figure 12).

   You specify a forbidden (fail trace) [sequence of method calls that shall not occur in the source code]. Using static dataflow taint analysis, you check whether this specified forbidden (fail trace) corresponds to a tainted path or a subpath (of a fail trace).

   "*API (application programming interfaces) usage rules [typestate formalism is a similar paradigm of specification possible for input for this static context–sensitive taint analysis; "subsequent research of mine alone reveals* state diagram mealy machine (SDMM) *as a subset of typestates* SDMM*[?d],".] of* `Java` *or* C^{++} *library are another realm of application of this static context–sensitive (parametric) dataflow taint analysis.*"

   *"In contrast to Tracematches that specifies WISHED BEHAVIOR (*PROGRAM TRACE*) of API user interface rule calling method sequence; as illustrated in* "Hendren, et al. work" *(`https://plg.uwaterloo.ca/~olhotak/pubs/rv07.pdf`),* "*state diagram mealy machine* (SDMM) BY XAVIER ~~NOUMBISSI~~ NOUNDOU, SPECIFIES UNWISHED BEHAVIOR (PROGRAM FORBIDDEN FAIL TRACE)" (SDMM *(`https://www.archive.org/download/yri_ictss_2023/yri_ictss_2023.pdf`)[?d]).*"

   *"One effort could be to give a formal translation methodology from "tracematches onto state diagram mealy machine (*SDMM*)"; Thus enabling automatic reuse of all tracematch specifications directly into a runtime monitor engine like* **YRI–DB–RUNTIME–VERIF (`https://www.zenodo.org/records/13232567`)** .*"

   "*Patrick has not at time understood that this application is also possible by static dynamic program analysis tool created by myself at YERITH–RD:* **YRI_QVGE***[12.12]; a Free and Open Source Code Software (FOSS).*"

   "*Patrick LAM my former advisor since '2015–MARCH–10' is missing !*"

   "*Patrick LAM and Xavier ~~noumbissi~~ NOUNDOU have at this effect presented a short overview presentation of 30 minutes at IBM workshop CASCON 2010! (`https://www.sable.mcgill.ca/~clump/cdp2010/index.html`)*"

   A SINK IS AN ACCEPTING (error) STATE; A SOURCE IS A START STATE. Sources and sinks are methods from the library (or plugin) used by the program under analysis (PUA). Edges are other method program instructions as seen by a THREE–Address–Code representation such as `Jimple (SOOT), Gimple (GCC), etc.`, and, or LLVM three–address–code format.

   Since **YERITH–SAINT** *our (Xavier, Vijay, and Patrick) static dataflow taint analysis algorithm works on three-address-code, LLVM compiler framework could also apply* **YERITH–SAINT** *to JAVA code as input programming language to LLVM frontend–compiler–framework, and perform as well API USAGE RULE check.*

   IT means in effect that any programming language that could be inputted to LLVM frontend–compiler–framework, COULD BENEFIT FROM THIS SOFTWARE STACK api (application programming interface) rule checker.

   - YERITH–SAINT (Figure 11) : git `https://www.github.com/sazzad114/saint`
   - **[~~PH.D. RESEARCH SEMINAR~~ TALK]** GIVEN AT AN ECE (ELECTRICAL & COMPUTER ENGINEERING) GRADUATE SEMINAR TALK SERIES, UNIVERSITY OF WATERLOO, ONTARIO, CANADA (**`https://www.archive.org/download/jh-nissi-ece-uwaterloo-grad-talk-2014-04-16/JH_NISSI_ECE_UWATERLOO_GRAD_TALK_2014__04__16.pdf`**)

"***Prof. Dr. Ondřej Lhoták, Ph.D.*** (`https://www.cs.uwaterloo.ca/~olhotak`), A world renowned scholar and scientist from the University of Waterloo in Waterloo, Canada, Ontario; Has reviewed this work with only 1 recommendation: add an additional application sample example apart from the presented ***"FORMAT STRING VULNERABILITY (`https://en.wikipedia.org/wiki/Uncontrolled_format_string`)"*** analysis done in the research paper."

INSTITUT AFRICAIN D'INFORMATIQUE, YAOUNDE, CENTER REGION, CAMEROUN

1. *L' INSTITUT AFRICAIN D'INFORMATIQUE—Yaoundé—Centre D'excellence PAUL–biya–rdpc.* |
   INSTITUT AFRICAIN D'INFORMATIQUE, YAOUNDE, CENTER REGION, CAMEROUN "Sep. 2016"

   [1 *institut* (https://www.iaicameroon.cm) *atypique,*
   ARMAND–claude abanda,
   NANGA.] *Summary-PAGES*

   I. ***D'enseignant vacataire à ENSEIGNANT consultant "20 heures—la—semaine de cours" À "6, 11 EUROS" par heure:***

   Mes rapports d'encadreurs académiques de SALABESSI–cuon–pgissiste de MBANJOCK :

   1. ***JE postule via "4 heures" d'attente au sale bureau du courrier pour être reçu par 1 ingénieur inférieur au rang de "bachelor of science" (ndlr.: LICENCE en informatique);***
   2. ***Après être reçu pour 1 entretien special avec ~~M. ARMAND–claude–abanda–idiot;~~ je passe 2 interviews supposées professionnelles;***
   3. ***A l'issue de la 1ère interview qui n'est qu'1 vérification brève du curriculum vitae et de très petites connaissances pédagogiques; L'ON ME propose plutôt 1 poste d'ENSEIGNANT consultant plutôt que celui de vacataire à 8 heures de cours hebdomadaire auquel j'ai postulé.***
   4. ***L'on ma redemandé de donner tous des cours que je pensais être en mesure de distillés; SUR cette palette de cours, l'on m'a octroyé "Architecture des ordinateurs" comme 1ère mission pour la 1ère année de GÉNIE–LOGIGIEL en section anglophone de leurs cursus d'études.***
   5. ***Après seulement "2 semaines et démi", 1 certain "salabessi" vient me donner l'injonction de commencer aussi à donner le cours "ADMINISTRATION SYSTÈME programmation système".***
   6. ***JE décide de partir de cette institution puisque ce rythme de travail serait insoutenable pour ma santé fragile à cette période de au vu du changement du climat hivernale canadien au climat tempéré de YAOUNDE–raciste–tribaliste–mado–BIR :***

      a.) ***Toute heure de cours est payée ("8 heures par semaine" dans mon cas); IL ne m'est jamais mentionnée auparavant que 20 heures de travail la semaine ne concerne que la dispensation des cours au tableau.***

      b.) ***Toute autre heure de travail est impayée*** :

      - ***PRÉPARATION des données pour des devoirs surveillés;***
      - ***CORRECTION des examens et devoirs surveillés;***
      - ***RÉDACTION d'1 support de cours en langue anglaise.***
      - [***IL semblerait que 1 sœur utérine à ma personne; "Ingrid TCHITCHUI noumbissi, Épse chandriand–TEUNTCHOU noumeni" serait allée dire que je suis 1 patient psychiatrique pour destituer ma vie, telle qu'elle aurait organisée en FÉVRIER 2021 avec le "rotary—club de abanda armand à ÉDEA".***]
      - ***PARTICIPATION tous des mercredi à 1 réunion d'enseignants consultants; (EX.nihilo; je n'ai participé à aucune d'elle en 3 semaines de travail vu le temps d'adaptation à la localisation très éloigné du centre de cours de NKOLN'ANGA).***

   II. ***Mes Conclusions SUR LA QUALITÉ de cet institut de merde :***

   1.) [***JP-kamgain, le cas d'échec patent de l'"IAI cameroun !!!***]

   2.) ***PAS de suivi exact des besoins et difficultés de nouvelles recrues;***

   3.) ***ABANDA–amougou–belinga (https://), écroué par des heures de cours sans avisé des enseignants :***

   2 fois consécutives, on me redemande de dispenser plutôt 4 heures de cours et exercices d'affilés plutôt que des 2 heures de cours prévues dans le "planning" pour CAUSE que l'enseignant du cours suivant s'est absenté.

ISSUES and Misunderstandings |

UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Apr. 2015]

[*DGAY___side–rek; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm); Jon eyolfson–idiot; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm), SARAH—white—kkk–peggist; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm)*]

I. ***ISSUES - Problems with some colleagues***:

1. [***"Professor RAYSIDE"***]

2. [***"Student JON eyolfson, then Master of Applied Science JON."***]

   " This idiot white-supremacist-racist, that is watching videos about a murderer called 'LUCIFER' in our common office room while taking his lunch, is JUST A DISGUSTING kkk."

   THIS junior computing engineer couldn't create a website for Watform lab (https://watform.uwaterloo.ca) after around 7 years doing a PH.D. in Computer Electrical Engineering: HE Had been mandated to do so in year 2009 when I started my "Ph.D. degree in Electrical & Computer Engineering" program as a ""DIPLOM–INFORMATIKER (MASTER OF SCIENCE EQUIVALENT)"[1]". from the so–called–elite–universität–BREMEN-germany-de. (https://www.cs.uni-bremen.de)!

3. ***"Student Hang chu (https://uwspace.uwaterloo.ca/handle/),***
   student of a so called professor patrick-lam, then Master of Applied Science HANG–chu."

   THIS very–well–to-do person from China main island came to myself for a recommendation into a position as software developer in MISSISSAUGA–Toronto–idiot; I Accepted and tried to be very honest and humble in a form request form that was sent to myself the same day by a lady from "PHILLIPS subsidiary company" newest created !

4. ***"Student Wenzhu MAN (https://uwspace.uwaterloo.ca/handle/),***
   student of a so called professor patrick-lam, then Master of Applied Science Wenzhu—MAN."

   THIS ugly lady from CHINA main island, came into the lab-space rented to us by PATRICK–idiot–advisor during my 2nd year of doctoral PH.D. studies.

   SHE seemed very intelligent but very hostile to black people as I could see her behavior when I asked her if she would like to collaborate on my ongoing static dataflow analysis YERITH–SAINT project, after I ASKED for this with, a positive approval from our common idiot supervisor ["PATRICK–vietnamese-vietkong LAM"].

   SHE was reluctant and we never had any opportunity to present and/or Work on anything together; AS this was the same with [JON eyolfson; Who instead copied my work only !]

5. ***"PROFESSOR clementin tayou djameni (UNIVERSITY OF DSCHANG, WEST REGION, CAMEROON)"***

   " THIS sample ignorant on "algorithms complexity and concurrency computations on multi–computers" that I know because my uncle THEODORE wandji ngongang sent me to him while he was visiting EUROPE (FRANCE, then GERMANY); while I was still an undergraduate student at the "ELITE–UNIVERSITÄT-BREMEN" (https://www.uni-bremen.de); So I will have connections in ACADEMIA in my home country while I AM STILL outside of CAMEROON."

   "I met, see, and even sleep beside him twice – 1st time in our student apartment in Bremen where he stayed 4 days – Then in Rennes–FRANCE in "2004" when he visited "GRENOBLE laboratory" with PROFESSOR tchindo–gilbert."

   "***I tried to contact him during "September–2011" because I HEARD from MARCELIN TALLY, cousin of mine, that I COULD apply already for a position as "assistant professor in CAMEROON" with a "DIPLOM–INFORMATIKER DEGREE (MASTER OF SCIENCE EQUIVALENT)[1] " like our common age–class colleague Oscar MOURBARE from Ngaoundere–Cameroon. [Dr.–Ing. DAYANG Paul] is also from university of bremen and also our common cohort in computer science in CS–Bremen (https://www.cs.uni-bremen.de).*** "

   "***HE has never answered anymore any emails or telephone call while I was in Cameroon !*** "

ISSUES and Misunderstandings 2 |

UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Apr. 2015]

[*DGAY___side–rek; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm); Jon eyolfson–idiot; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm), SARAH—white—kkk–peggist; HOLY–bible-darby-version—exodus-17_15 (https://saintebible.com/lsg/exodus/17-15.htm)*]

I. ***ISSUES - Problems with some colleagues***:

6. ***"FORMER friend and now enemy Godrick CHEKETE H. from Benin–vaudoo"***

I encounter this idiot and vaudoo man as I just entered my second year of doctoral studies at the university–racist of waterloo in ONTARIO, CANADA

THE Ghanaian so called YAW BOAKYE-agyeman, that I EVER met 1st time in African student association of the university of waterloo: "AFRSA" (https://saintebible.com/lsg/exodus/17-15.htm) as I was in my 3rd week in the city of Waterloo.

IT is the west–african student YAW, BOAKYE-agyeman, from ashanti–tribe that told myself that he would like to introduce me to another FRENCH-speaking student from WEST–AFRICA.

WE then met 3 of us in a restaurant inside the main campus located at 200 University Avenue West; I DON'T REMEMBER the name of the idiot-wwhite–racist restaurant for students.

7. ***"FORMER enemy MARTIAL ategomo YEMELE from Cameroon"***

I encounter this vagabond because GODRICK–chekete recommended HIM (martial ategomo yemele to myself as a cameroon student in need of crucial help in life)

Normally I NEVER friend myself with such Cameroon people that seemed to have traveled with fake ID and other faked documents as I could imagine from his physical being.

IN year 2013, as I went to build a gate for my compound in YAOUNDE, Godrick and MARTIAL ATEGOMO YEMELE came ask myself that I sublet my bedroom-only for 1 month only to MARTIAL for "400 cad". I accepted and I needed afterwards to tell him very deeply to go out after "1 and half month" because HE seems to be wanting to stay even more than 6 months in my 2–bedroom apartment located at "16−457, ALBERT–ST., N2L 5A7, Waterloo, Ontario, CANADA–racist–idiot".

Martial ategomo and Godrick Chekete H.; I stopped any collaboration with both these ignorant right after asking MARTIAL and GODRICK to leave my apartment around 11 : 30 PM at night.

8. ***"ECE Master & Ph.D. programs coordinator Sarah Landy, MSc."***

THIS very racist girl with a master of science, arrogant at all wanted myself to believe that SHE is a professor of mine even though I am wondering even today if she could even work somewhere else than a place where systemic racism is the norm and not the ANORMAL life day–work !

"This slot for professors of ECE is the one that on "MARCH 10th, 2015" told myself, "as she was a PH.D. & MASTER program coordinator in ECE department" of the university-racist of waterloo: "[Patrick (lam)] sent an email to cancel the event (MY SO CALLED PH.D. RESEARCH SEMINAR according to academic graduate studies regulations of year 2015 ! " "

" SARAH as I could experience even when I PASSED ONTO HER HANDS my doctoral thesis; called research proposal at ECE department, has a personal grieve to my person from somewhere I CANNOT even imagine; because THIS document wasn't published anywhere or registered publicly on the university-racist of waterloo internet, or intranet–world ! "

9. [Professor idiot lin tan]

10. P[rofessor Patrick LAM]

11. [Professor LADAN]

ACADEMIA world worldwide contactS |

STARTUP YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE) [DEC. 2023 – "November 8, 2024"]
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2023]
UNIVERSITY OF BREMEN, BREMEN, GERMANY [OCT. 2002 – JUL. 2007]

[*Contacts with Academia in NORTH–AMERICA*]

- ***CONTACTS with Academia in NORTH–AMERICA***:

1. ***Doctor Christian Eyoum–sawa-rotarian–criminal–seasoned–psychiatrist** (Laquintine HOSPITAL DOUALA, CMR (https://))* ***[Around "2021"]***

THIS seasoned psychiatrist that assassinates at least 500 persons a year was sent to me by "ROSE sangnou" my female genitor so to hijack my private–inherited apartment in "DLA-cité-des-palmiers" as I was just finishing a psychology family and personal treatment because OF "LAURENT-tchandeu", a criminal uncle paternal side of mine.

IT is at age of 6 years old that I lost my dear criminal genitor "THÉODORE noumbissi-salaud"; I called this genitor of mine a "salaud" because this freemason had a booklet on economy written by "KARL–idiot-mars" where I COULD SEE just a month after his sudden death, caused probably by NTOMANI–Racist, THAT theodore-noumbissi said: "GOD is stupidity and dirt !" !

IT is at age 35 years old that I understood that this mason of my genitor, "THÉODORE noumbissi"; tried to hijack myself but loose his own soul because mainly of his junior brother "LAURENT tchandeu".

"CHRISTIAN eyoum" is only someone that destroys in all plans of life any person sent to him by "SECRETARIAT-D'ÉTAT-A-LA-DEFENSE (sed)", a so called SERVICE-SECRET.

2. ***Doctor KLAUS HEVELUND–idiot** (Caltech, California Technology Institute CALIFORNIA, U.S.A (https://www.caltech.edu))* ***["2022"]***

Klaus is an idiot because HE wasn't capable of coming clearly with his expectations as I contacted him to review my at that time ongoing and starting project on CREATING A RUNTIME MONITORING VERIFICATION testing framework YRI_QVGE[?d] for *state diagram mealy machine (SDMM)* having following characteristics compared to opponents like; "TDIOHS (Timed Discrete Input / Output Hybrid System)" implemented in real-time testing tool *RT–Tester (https://www.informatik.uni-bremen.de/agbs/jp/papers/peleska_et_al_soqua2006.pdf)* [1] of the society in germany: ""VERIFIED SYSTEMS INTERNATIONAL GMBH, SPIN–OFF THE UNIVERSITY OF BREMEN" (https://www.verified.de) "; AND opponent tool ""DejaVu" (https://) ("DejaVu: A Monitoring Tool for First-Order Temporal Logic")":

- A Domain–Specific LANGUAGE (DSL) for specifying forbidden traces (fail traces) of mealy machine, formalized as state diagram: "YRI_SD_RUNTIME_VERIF_LANG".
- A compiler–translator that generates free C^{++} code as runtime monitoring verification module to be run and watched "within runtime monitor container *"YRI_QVGE" (https://www.archive.org/download/yri_ictss_2023/yri_ictss_2023.pdf)*[?d]".
- ***fail (forbidden) traces specification.***
  ALL competitors were having 'wished behavior trace specification';
- ***NO FALSE POSITIVES***; guaranteed with a formal proof demonstration in "YRI_QVGE" paper: ***"YRI–DB–RUNTIME–VERIF: a framework for verifying SQL software correctness properties of [gui] software at runtime"*** (HTTPS://WWW.ZENODO.ORG/RECORDS/13232567) [?d];

Klaus is never clear–minded in terms of being humble because he even insulted myself in 1 of his email that I received at my email–address: "Yerith.Xavier@gmail.com".

MAY be because of his friendship, undeclared at the time I was under supervision of JAN PELESKA–cuon.

KLAUS havelund is part of the group of people who have been trying to cover myself with in-competencies by using my research-work results without mentioning my names or anything about source of their work.

FOR instance I have never at time seen a "FLEX–BISON" parser written by PELESKA or KLAUS havelund when I finished by compiler–translator [**YRI_SD_RUNTIME_VERIF_LANG_COMP**].

Let's observe what comes up in coming years from both deceptive white teacher–professors.

ACADEMIA – DOCTOR–PH.D. -9

ACADEMIA world worldwide contactS |

STARTUP YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE) [DEC. 2023 – "CURRENTLY"]
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2023]
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[***Contacts with Corruptible–NON-SENse–ACADEMIA***]

- ***CONTACTS with Corruptible–NON-SENse–ACADEMIA***:

1. ***MASTER–of–applied–science HYPOLithe–cuon-pd-TEKEU (IUC – INstitut UNIVERSItaire de la COTE, DOUALA (`https://www.myiuc.cm`), littoral REGION, CAMEROON)***

THIS megere-bamile tribe ROSE–sangnou, a genitor of my physical being went on to recommend myself to apply for a position at so called canadian–cooperation–institution IÛC.

I was 1st told I COULD earn "500 000 Xaf"; AFTER a prompt and passed successfully interview; WITHOUT any indication that I AM A socalled DR.–ING;

hypolithe–tekeu–pd–racist-tribal–bamileke–dschang–idiot offers myself "200 000 Xaf".

I COULD NOT say no period.

THIS idiot even put myself under a so–called professional master of engineering from his dirty and prostitution institute IÛC. JUNIOR–mbe; THIS junior–mbe–fosso is now as far I COULD OBserve in internet–world in socalled pragmatic-quebec-cuon-land-freedom–CANADA.

ACADEMIA world worldwide contactS |

STARTUP YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE)
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2023]
UNIVERSITY OF BREMEN, BREMEN, GERMANY [OCT. 2002 – JUL. 2007]

[*Contacts with Cameroon–ACADEMIA*]

- *CONTACTS with Cameroon Academia*:

1. ***PROFESSOR thomas ndié djotio (École Nationale Supérieure Polytechnique de Yaoundé - ENSPY (https://), CENTER REGION, CAMEROON)***

This older than myself so called ***'maître de conférence'***, English as ***"associate professor"***, was very kind to receive myself and to let me give him a short presentation of my professional and academic projects as ***"Doctor–Ph.D. of Engineering (Dr.–Ing.) (UNIVERSITY OF WATERLOO, ONTARIO, CANADA)"***:

I. YRI_QVGE (https://www.zenodo.org/records/10474033)[?] — *June* 2022 – *currently*
II. YERITH–ERP–9.0–PLATINUM (https://www.zenodo.org/record/8052724/) [1] — *OCT.* 2015 – *currently*

I could identify "Prof. Dr.–Eng. THOMAS Djotio Ndié" through his online website located at: "https://sites.google.com/tdjotio". I could also see his ~~resume online (https://sites.google.com/tdjotio)~~ that was asserting and presenting him as doctor-of-engineering graduated from the "École-polytechnique-de-yaoundé" in year "2008".

ALL this afore mentioned websites were canceled by "THOMAS ndié djotio" it seems; For a more official resume (https://POLYTECH.CM--germany-djotio-thomas-ndie).

HE 1st contested that I was a doctor–Ph.D. of Engineering because I didn't at that time of year 2022 asked for an official graduate transcript from the [UNIVERSITY OF WATERLOO, in Waterloo (Ontario, Canada).].

I could then obtain free–of–charge from "MRS. Nancy HEIDE" (nheide@uwaterloo.ca), at time of request As "***Director of Student Services OF THE UNIVERSITY OF WATERLOO***", a certificate via electronic mail (Email) at my own request of "Official Graduate Transcript" that normally is charged $20 CAD. I even had "***Prof. Dr.–Eng. THOMAS Djotio Ndié***" copied–conform (cc) to my email since I am trying to get hired by "École-polytechnique-de-yaoundé".

I CANNOT REMEMBER have failed any examination my entire candidacy of Doctor Ph.D., since I successfully graduated with "88%" as "***Doctor–Ph.D. in electrical & computer Engineering (Dr.–Ing.)***" on "December 20th, 2011"; with THESIS title:

"Temporal Property Verification in Plugin–based Software" [1?]

I have appealed that I HAVE BEEN rejected from my [PhD research seminar] on "March 10th, 2015" by PATRICK lam that said 3 years later to myself when I was back in Canada to resign my canadian shit–citizenship, He didn't recall that he could foresee results from my program as pre–defined after we setup the PH.D. research seminar, together with my "***PhD comprehensive examination committee members***":

- ***A professor of age greater than 70 years old was the rapporteur.***
- ***Ondřej Lhoták, Ph.D.*** — ***Email:*** olhotak@cs.uwaterloo.ca
- ***Derek Rayside, Ph.D., Professional Engineer (P.Eng., Ontario)*** — ***Email:*** drayside@uwaterloo.ca
- ***Patrick Lam, Ph.D., Professional Engineer (P.Eng., Ontario)*** — ***Email:*** p23lam@uwaterloo.ca
- ***Lin Tan, Ph.D., Professional Engineer (P.Eng., Ontario)*** — ***Email:*** lintan@purdue.edu

THE Ph.D. Dissertation Defense occurred in "January 2015" at PLG. IT was successfully approved by other following people among others:

"Context–Sensitive Staged Static Taint Analysis for C using LLVM" [1?]

1. ~~***Peter Alan Burh, Ph.D.***~~ Alias ~~FABRICE–siemeni–wilfried–remp-canadian-armed-forces~~ — ~~***Email:*** pabuhr@uwaterloo.ca~~
2. ⋆ ***Vijay Ganesh, Ph.D.*** — ***Email:*** vganesh@gatech.edu
3. ⋆ ***Ondřej Lhoták, Ph.D.*** — ***Email:*** olhotak@uwaterloo.ca
4. ⋆ ***Patrick Lam, Ph.D.*** — ***Email:*** p23lam@uwaterloo.ca
5. ***Magnus Madsen, Ph.D.*** — ***Email:*** magnusm@cs.au.dk

ALL professors before mentioned marked with a "⋆" sign are collaborators in this project. Others approver were reviewers and were both (***"Magnus, and Peter"***) present !

ACADEMIA world worldwide contactS |

STARTUP YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE) [DEC. 2023 – "CURRENTLY"]
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[*Contacts with Cameroon–ACADEMIA*]

- ***CONTACTS with Cameroon Academia***:

1. ***PROFESSOR maïgari–idiot-secessionist (Former director, Cameroon–consulate in BRUssels–belgium (https://), Center Region, Cameroon)*** *[Around "March–April 2015"]*

2. ***PROFESSOR yves emvudu–cuon (INFORMATION SYSTEMS DIRECTOR deceased by now, Higher Education Ministry in Yaounde (https://), Center Region, Cameroon)*** *[Around "August 2015"]*

   THIS idiot didn't even counseled me properly about the educational system employed in Cameroonian UNIVERSITIES. HE didn't even inquired on either my passed qualifications nor my credential documents; Since with his position, we could together query all required documents from an official position research in high education ministry for me.

   HE just sent me to École Normale Supérieure so to meet a professor of MATHEMATICS that I forgot names and qualifications since I could never see him at ENS–yaounde.

   THE other professor of mathematics I was supposed to meet, even though I AM foremore a computing engineer and developer was a MATHEMATICS professor at École Nationale Supérieur POLYTECHNIQUE de YAOUNDE. THIS man that seemed very kind but dangerous just gave me advise to put my publications of 'https://www.archive.org'. "THIS older man than Yves–emvudu was a doctor from WEST–germany", whereas "YVES–emvudu was doctor from east–germany" !!!

   ALSO, I was told by EMVUDU to apply for a teaching assistant position at SIANTOU–supérieur, and also Congo–CAMEROUN science university in a remote area of Cameroon I even don't remember the name.

   "Merci au fainéant de Tonme de ne plus repasser où j'entre sur cette terre !!!"

   [***IT is exactly because of my "assassin–uncle–paternal-Laurent–TCHANDEU" that I went o search and encounter "YVES emvudu" of SÉCRÉTARIAT D'ÉTAT A LA DEFENSE (sed) without knowing he might create a procedure to destroy me mentally because it might be inappropriate for a criminal like LAURENT to act directly on my body because of the blood–genetic–connection–with–his–own–kids !!!***]

3. ***PROFESSOR bertin nyemb (École Normale Supérieure de Yaoundé – ENSY (https://), Center Region, Cameroon)*** *[Around "May 2022"]*

   THIS very not humble professor of german language and cultural-ism is a very humble and not contestantive person because he has always been trying to hijack myself as a member of DGRE.

   I SUSPECT this idiot spy of biya–regime to have even sent false opinions of myself to german authorities at the UNIVERSITY-racist OF BREMEN after I MET HIM once again here in Yaounde in year 2022 !

   SO this man of "Bassa"–tribe is at least 3 times recidivist in trying to check what makes someone like myself an ignorant by psychiatric methods like the ones [EYOUM–rotarian–CHRISTIAN] has been trying together with PR. DR. shanda–tonme, and EMVUDU.

   I acknowledged at his request to be member of his stupid [Rotarian] organization so called PROvac ("PROMOTION des valeurs au Cameroun").

   THIS has been more than 22 months now, he has never replied to any message about trying to computerized his membership list and cards using my humble open-source software YERITH–ERP–9.0–PLATINUM.

ACADEMIA world worldwide contactS |

STARTUP YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE) [DEC. 2023 – "CURRENTLY"]
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[*Contacts with Cameroon–ACADEMIA*]

- ***CONTACTS with Cameroon Academia***:

1. ***PROFESSOR clementin tayou djameni (UNIVERSITY OF DSCHANG (https://), WEST REGION, CAMEROON)*** ***[Around "September 2011", then around "September 2015]***

" THIS sample ignorant on "algorithms complexity and concurrency computations on multi–computers" that I know because my uncle THEODORE wandji ngongang sent me to him while he was visiting EUROPE (FRANCE, then GERMANY); while I was still an undergraduate student at the "ELITE–UNIVERSITÄT-BREMEN" (https://www.informatik.uni-bremen.de); So I will have connections in ACADEMIA in my home country while I AM STILL outside of CAMEROON."

"I met, see, and even sleep beside him twice – 1st time in our student apartment in Bremen where he stayed 4 days – Then in Rennes–FRANCE in "2004" when he visited "GRENOBLE laboratory" with PROFESSOR tchindo–gilbert."

"***I tried to contact him again in "September–2011" because I HEARD from "diplom–informatiker marcellin tally", cousin of mine, that I COULD apply already for a position as "assistant professor in CAMEROON" with a "DIPLOM–INFORMATIKER DEGREE, ABBREVIATED (DIPL.–INF.) (MASTER OF SCIENCE EQUIVALENT)[1] " like our common age–class colleague "diplom–informatiker oscar mourbare" from Ngaoundere–Cameroon. [Dr.–Ing. DAYANG Paul] is also from university of bremen and also our common cohort in computer science in CS–Bremen (https://www.informatik.uni-bremen.de).*** "

"***HE has never answered anymore any emails or telephone calls while I was in Cameroon !*** "

2. ***PROFESSOR kolyang (University of Ngaoundere (https://), FAR NORTH REGION, CAMEROON)*** ***["Around December 2015"]***

" I remember greeting him when entering an elevator as he was visiting Bremen while I was in my undergraduate level of education in Computer Science at the UNIVERSITY OF BREMEN in Germany where HE Graduated several years in front of myself."

"HE didn't answered at all and I felt he is not very comfortable with young cameroonian studying in BREMEN."

"KOLYANG was then a DOKTOR–INGENIEUR (Dr.–Ing.), that could graduate from BREMEN with PROFESSOR BERND KRIEG BRÜCKNER (BKB) as DOKTOR-VATER (main principal PhD advisor)."

"Professor JAN peleska–cuon said I shall contact him in year 2016 when I was looking for a research position back in Cameroon 1st time, before returning into CANADA-shit to resign a CANDIAN-idiot-citizenship I acquired because I needed to travel via Europe without visa request at GERMAN embassy. I could succeed to send him an email at an email–address received from PELESKA-cuon, that I don't remember; BUT I never got a return reply message at all."

"WITH idiot–joseph–djoumessi that invited myself in his christian-rosicrucian-peg congregation CMCI–obili (https://); I heard from someone that was in academia at the UNIVERSITY OF YAOUNDE 1 that KOLYANG was not anymore in academia for working on research, But KOLYANG was doing agriculture !!! "

THE UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA

1. THE university of waterloo, from a black African descendant perspective, as a student and employee, & High Qualified Person from GERMANY. | University of Waterloo, Ontario, Canada [Oct. 2009 – "November 8, 2024"]

[***Incompetent "doctoral Ph.D. program coordinator as a Master of Science (M.Sc.)" Sarah landy,***
Color of origin payments,
non observance of international academic conventions and laws criminal,
racial segregative police of canada–waterloo–ontario,
DEREK rayside idiot,
INCOMPETENT ACADEMIC PEOPLE IN ECE (ELECTRICAL & COMPUTER ENGINEERING),
racial systemic segregation]

I. ***Asian-Vietnamese advisor Dr. of Engineering PATRICK lam (https://patricklam.ca) from "Massachusetts Institute of Technology (M.I.T (https://csail.mit.edu), MA, USA)" :***

Here are certain things done for myself both, academically and professionally, by PATRICK lam:

1. I spent 6 years under supervision of PATRICK-idiot-lam, (https://google.com/scholar) without having at least 1 scientific paper published under his supervision anywhere in my visible and observable internet WORLD !

[***!!! I got this ([FSE–soqua** 2006**]) with only** 2 **years at THE university–racist-of-bremen.de !!!***]

2. [JON EYOLFSON], an idiot that worked for PATRICK-lam as a MASTER student (M.ASC.) and then as a PH.D. candidate, **COULD COPY MY WORK** more intelligently & silently, and even 'EHHH' got a high paid position as an ***"ASSISTANT PROFESSOR (teaching stream)"***; after 4 years at UCLA (https://ucla.edu/asian-postdoc-supervisor) as Postdoctoral fellow; AT THE ece–department OF THE UNIVERSITY OF TORONTO (https://utoronto.ca/alexie), ontario, canada.

3. Patrick recommended myself to IBM Toronto Software Lab manager "Dr. MARCEL mitran" after I told him I was looking for an internship just after my PhD comprehensive examination[1a]; Before returning to University of Waterloo, ON.

4. ***Professor PATRICK lam gave myself a lot of presentation skills attitudes that I can today not all of them remember.***

5. Patrick sent me to several research academical venues through my doctoral Ph.D. studies at the University of Waterloo, ON:
   - ***"First Summer School on Formal Techniques"*** (https://fm.csl.sri.com/SSFT11/index.shtml) (2011);
   - ***MITACS Ontario (***2012***)***;
   - ***PLDI – Programming Language Design and Implementation (***2009***)***;
   - ***IBM CASCON – IBM Centre for Advanced Studies Conference (***2010***)***;
   - ***ICSE – International Conference On Software Engineering (***2012***)***.

6. Patrick gave myself 1st hand detailed explanations on static dataflow analysis à la "Gary A. kildall : A unified approach to global program optimization (https://doi.acm.org/10.1145/512927.512945)" with help of his slides from McGill University (https://www.mcgill.ca).

7. ***Professor PATRICK lam is the only one that taught me that I really need to keep my LaTex document code straight and maxed*** 80 ***lines.***

8. ***Professor PATRICK lam is the only one that taught me that I really need to keep reading papers as long s I don't really master them, before coming back to talk to him !***

9. ***Professor PATRICK lam is the only one that taught me that I really need to dig very deep into researching and probing an idea before there is an excellent outcome out of it: THIS IS WHAT I APPLIED TO get my*** 1st ***implementation of my doctoral dissertation work*** **YERITH–SAINT** ***!***

10. Patrick gave me hints about contributing to open source projects by modifying their code source and reuse it for my research; I for instance applied this when creating Computer–Aided Software Engineering (CASE) tool *YERITH_QVGE* .

THE UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA

1. THE university of waterloo, from a black African descendant perspective, as a student and employee, & High Qualified Person from GERMANY. |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Oct. 2009 – ″November 8, 2024″]

[*Incompetent "doctoral Ph.D. program coordinator as a Master of Science (M.Sc.)" Sarah landy*,
Color of origin payments,
non observance of international academic conventions and laws criminal,
racial segregative police of canada–waterloo–ontario,
DEREK rayside idiot,
INCOMPETENT ACADEMIC PEOPLE IN ECE (ELECTRICAL & COMPUTER ENGINEERING),
racial systemic segregation]

I. *Asian-Vietnamese advisor Dr. of Engineering PATRICK lam (https://patricklam.ca) from "Massachusetts Institute of Technology (M.I.T (https://csail.mit.edu), MA, USA)" :*

Here are certain things done for myself both, academically and professionally, by PATRICK lam:

11. ***"PATRICK lam has never done a "program analysis by himself" as far as I have been working with either as his research assistant or as a scholar that could see this somewhere in a world. "***

"They (PATRICK and FELIX) even attempted to remove my name from git repository (https://) history when "Divam Jain" left and PATRICK said to FELIX-fang to continue that research WITH me also as a supervisor under PATRICK-lam."

"AS far as I am knowledgeable, scientific conference and / or whatsoever papers that stem "from research work of Divam Jain", that I see as plagiarism since my name as a co–author has never been written, are existent because I am the only originator of this work; as a supervisor of DIVAM jain, at the beginning of his "Master of Mathematics (M.Math.)"; and this at request of dear PATRICK lam":

"Deceased idiot former dean of engineering "PEARL sullivan", [that I went to confront with facts about these plagiarisms], Sent by a black–idiot police officer from UWATERLOO racial–police services; Sent a british giant muscular idiot white–police–officer to arrest me illegally and very violently just at the ground level of the 'Davis Centre BUILDING of racists.' "

"BECAUSE i removed my clothes in front of surveillance digital cameras in a uw–office racial-police, Where the british–racist-police-from-scotland did tell me to sign papers that I DIDN'T EVEN had opportunity to read at all; THEY sent me in jail–custody to KITCHENER-waterloo criminal justice court. "

""Justice Crown attorney prosecutor DOMINIQUE KENNEDY" let all investigations done and concluded that I HAD NEVER ASSAULTED this idiot police white-british office that charged myself with 'ASSAULT TO POLICE OFFICER' ! "

""Justice Crown attorney prosecutor DOMINIQUE KENNEDY" told me she called "the office of THE president of the university of waterloo" to ask them to let myself defend my "Ph.D. degree dissertation"; BUT they told her with attorneys of law of the president of the university of waterloo: "What is a crown attorney doing in the office of president ?""

""Justice Crown attorney prosecutor DOMINIQUE KENNEDY" then on another did tell me that someone from the office of the president-idiot–racist of the university of waterloo; said that they have certain attitudes that are based on their local culture!

Incompetent "doctoral Ph.D. program coordinator as a Master of Science (M.Sc.)" Sarah landy
went on to harass the university of waterloo police ; ESPECIALLY (ambinns@uwpolice.ca); to say Like a HE-girl–pom–pom-shit that: "THIS black gay guy is so huge that he must be destroyed mentally !!!

this kind of race–sarah–landy MUST never be admitted anywhere else in this black world other than her anus....zizi.

[THIS happened in year 2018 as I WENT TO DESTROY my so-called—white-oblivier canadian–CACA-shit—citizenship–pegg–kkk.]

"I AM THE one who told to MRS. cuon-idiot–racist–white–quebec–tabawec–"Justice Crown attorney prosecutor DOMINIQUE KENNEDY", that THIS IS CALLED discrimination !"

a. "Identifying Test Refactoring Candidates with Assertion Fingerprints" (https://dl.acm.org/doi/abs/10.1145/2807426.2807437)

RESEARCH AND TEACHING (FORMAL TRAINING __ TEACHING ASSISTANT — UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

I. ***Formal Training for occupying teaching positions*** |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

[*TEACHING ASSISTANT training;*
CUT–1 - Certificate in University Teaching 1]

1. ***Training in ECE Department (Electrical & Computer Engineering Department):***
Before starting my 1st formal appointment as a teaching assistant at the University of Waterloo, ON, CANADA; In year 2009, I received a group training for graduate students of the ECE (Electrical & Computer Engineering Department).

2. ***~~Passed~~ QUALIFICATION interview to teach `OBJECT-ORIENTED PROGRAMMING WITH JAVA`:***
I SUCCESSFULLY passed a presentation slides lecture for qualification interviews OF 30 minutes added with "Q&A - Questions & Answers" session; to teach Object–Oriented Java Programming to 1st year students at THE university of Waterloo in year 2012.

NEVERTHELESS, I was not chosen as THE committee said: I QUOTE THEM: "Xavier might no be able to manage this very young age students in a class of 100 or more." I WAS AGED MYSELF 29 years old in year 2012 when this happened ! THX TO PATRICK–IDIOT–LAM

PATRICK–IDIOT–LAM is only 4 years older than myself. ***(`https://www.patricklam.ca`)***

IT seems PATRICK and lin–tan–AGED-exactly as myself were trying to avoid a so—called-negger at a high paid position at UNIVERSITY-OF-WATERLOO. "Lin tan" is born 1983 like Xavier ~~noumbissi~~ NOUNDOU ! (`https://cs.purdue.edu/lintan`)

THE class was given at the end to a seasoned professor named SEBATIAN FISCHMEISTER (`https://ece.uwaterloo.ca/~sfischme`), that leads the Embedded Research Group in ECE (`https://ece.uwaterloo.ca/~sfischme`).

3. This was optional. ***CUT–1; Certificate in University Teaching – 1:***
"THE university of waterloo in ontario, Canada"; offers a formal training program in 4 certificates to qualify graduate students and / or whatsoever qualified persons for teaching at a UNIVERSITY.

I attended the level 1 certificate in 2010, but didn't pursue the last 3 levels because I felt I couldn't perform as fast as I wanted my doctoral research due to the high level of academic requirements due by researching in the ***"static code program analysis"*** area of research; At WatForm (WATERLOO FORMAL METHODS group research) (`https://watform.uwaterloo.ca`); led by "Prof. Dr. JOE atlee of the CS (Computer Science) Department" (`https://www.cs.uwaterloo.ca/~jmatlee`).

AFTER my free registration, at my own request and without asking PATRICK–idiot–lam; and attendance of all 1st level courses at "DAVEN–PORT library on main (200 UNIVERSITY AVENUE WEST) campus" of the UNIVERSITY OF WATERLOO, I notice IT would be impossible to myself to finish my research in due time without issues with my doctoral advisor !!!

WE were around 10 in a sumptuous and luxurious carpeted room at kind of 3rd level in the main building !

ESPECIALLY added to the fact I WAS EARNING SUCH A LOW 999–CAD, so I HAD to TA-teaching assisting PATRICK lam.

THAT'S why I resigned.

[***I EVEN feared PATRICK lam was trying to make myself sick because of the amount of stipend I HAD, compared to other students like JON eyolfson who also add other stipend from NSREC–CANADA !!!***]

"I was under supervision of my doctoral Ph.D advisor Dr.–Ph.D. of Engineering PATRICK lam".

RESEARCH AND TEACHING (TRAINING __ TEACHING ASSISTANT — UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

I. ***Competencies Acquired and Learned as a TEACHER–PROFESSOR*** |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

[***TEACHING ASSISTANT training***]

- ***SUMMARY of given–co–taught courses:*** '2' ***undergraduate ("Bachelor") level courses.***

- SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE (ECE 453 / SE 465)
  1. Creating a "JUnit 4–tutorial" (https://https://www.zenodo.org/record/8052444) and got it reviewed by PATRICK LAM; THIS is not a task PATRICK as instructor asked me to perform; I did this in my free time and put it as sample training material for students. – ***"(⋆) Professor task level"***
  2. GOING in class to teach JUnit for exercise session – ***"(⋆) Professor task level"***
  3. Creating SAMPLE solutions to assignments – ***"(⋆) Professor task level"***
  4. MARKING ASSIGNMENT à la patrick lam – ***"(⋆) Professor task level"***

  I felt very improved for my teaching software technical testing skills.

- PROGRAMMING FOR PERFORMANCE (ECE 459)
  1. ***TAKING some time in my time of research for my ["PH.D. in electrical & Computer ENGINEERING"] to receive students visit at my office; and teach them what they couldn't understand either in class, and / or for the course material !*** – ***"(⋆) Professor task level"***

     " Since my PH.D.–advisor patrick was the Director of Software Engineering study programs, I Think he thought I could replace him as a lecturer and he wanted to test these skills."
  2. "Really I didn't much like this course as taught by PATRICK because it was more a kind of programming course that wasn't very solid in mathematical and engineering foundations; Except for theories and histories on processor speed "MOORE–law" expansion and development ! "

     "THIS was more to gain money because I was only earning $999 Cad as a "master of science, PH.D. candidate" under supervision PATRICK-lam; coming from a middle level-paid good money position."

RESEARCH AND TEACHING (TRAINING __ TEACHING ASSISTANT — UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

I. ***Competencies Acquired and Learned as a TEACHER–PROFESSOR*** |
UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Jan. 2012 – 10 MARCH 2015]

[***TEACHING ASSISTANT training***]

- ***SUMMARY of given–co–taught courses:*** ***'3' undergraduate ("Bachelor") level courses; '2' graduate ("Master", "PhD", "Ph.D.") level courses.***

- SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE (ECE 453 / SE 465)
  1. Because of my resignation act in front of all committee members of my doctoral Ph.D. comprehensive examination and DISSERTATION COMMITTEE members;
     I resigned !

- COMPILERS (ECE 351)
  1. I did during my time in BREMEN, a course called ("Übersetzer GENERIERUNG mit LEX und YACC") that could be translated in English–white: "Compiler / TRanslator GENEration with LEX & YACc".
  2. Creating `Python` scripts to query, compile and build; and check results of computer programs as assigned for students in ECE 351 class of racist DEREK-GAYSIDE.

- * GRADUATE (MENG, MSC, MASC, PHD) LEVEL COURSE – METHODS AND TOOLS FOR SOFTWARE ENGINEERING (ECE 650)
  1. I went to classes like students to assist idiot-Igor-IVKOVIC that required this visitation of classes for me. – ***"(⋆) Professor task level"***

     "deceased NOVEMBER 2021 igor idiot–ivkovic wasn't not even capable of understanding what he taught in front of students professional himself. THAT'S why he required my presence in classes so I will help him better ! "

     "IT Means IGOR-ivkovic shalln't have gain more "payment cheques" than myself because it seemed to me I would do more teaching than he did."

- COMPUTER NETWORKS (ECE 428)
  1. "Creating `Python` scripts to query, compile and build; and check results of computer client–server programs as assigned for students class of racist-idiot Mahesh-Rayside."

- * GRADUATE (MENG, MSC, MASC, PHD) LEVEL COURSE – FOUNDATIONS OF SOFTWARE ENGINEERING (ECE 651)
  1. "Learned on the grasp theories and practices of software quality metrics and tools so to teach them to students. IGOR ivkovic, the deceased idiot-instructor wasn't even capable himself of anything." – ***"(⋆) Professor task level"***

- [C^{++} LABORATORY (ECE 250)]
  1. ~~***Working with "iranian in north–america", as being a black-afro-descendant is not recommended at ALL !***~~

     "JON eyolfson is a burglar incompetent GUJA that is not even capable of respecting an agreement of 2-weeks replacement for his office mate."

RESEARCH AND TEACHING (TEACHING ASSISTANT — UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

I. ***Duties completed by Teaching Assistant [Doctor–Ph.D. of Engineering (Dr.–Ing.)] Xavier Noumbissi Noundou*** | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2012 – Apr. 2015]

1.) [SUMMARY of student research–teaching advisory work both "autonomously" and, from my PH.D–advisor PATRICK].

2.) ***Teaching assistant under supervision of INSTRUCTOR "MAHESH rayside–idiot":***

- COMPUTER NETWORKS (ECE 428) SPRING term (Jan.–Apr.) "2013"

  "THIS ignorant professor couldn't be even capable of clearly defining programming assignments, AS I had to tweak the `Python` code for automatically correct student code source from Gitlab–repositories created by a so called [PATRICK-lam]."

  [THIS ignorant didn't even know I was a perfect computer software developer since age 18 in Cameroon; as demonstrated by my professional record of employment in GERMANY that is at least trice more developed technologically than idot CANADA.]

3.) ***Teaching assistant under supervision of instructor "Derek rayside–idiot":***

- COMPILERS (ECE 351) FALL term (Sep.–Dec.) "2012"

  "THIS idiot from massachusett–gay institute of technology cannot even define what is mathematical relation WITHOUT saying: I quote him: 'a relation is like a table'... (`https://csail.mit.edu/sdg`)

  "I was kind of surprise that we MUST had to code source code to correct programmings assignments as ***"styles of programming for instance, comments, etc," MUST be also marked and more importantly advised, Especially from a performance confirmed seasoned software developer as myself:*** *DR.–PH.D. of ENGINEERING XAVIER ~~noumbissi~~ noundou.* ***(`https://www.zenodo.org/record/8051293`) "***

  "***I was very surprised to see a [culprit called MATTHEW MA] that was Master of Applied Science of DEREK, COMING to myself with his mother and offer me "***$400 ***CAD so to code for his MASTER PROJECT in Computer Software Engineering from derek."*** "

  "***Thinking that derek went to pay around*** $30 000***—CAD to MATHGENEALOGY.ORG, (`https://mathgenealogy.org`) so my free registration from "[PATRICK] AND rinard-martin; (`https://csail.mit.edu/~rinard`)" from 'PH.D.' onto 'ABD' be changed without any formal justification as specified [[here];] DEREK–GAYSIDE is only someone that hijacked to get a degree from renowned MIT."*** "

4.) ***Teaching assistant under supervision of instructor "LADAN":***

- [C^{++} LABORATORY (ECE 250)] FALL term (Sep.–Dec.) "2014"

  "THIS in german so called 'HURE'–prostitute (`https://Wikipedia.org`) Declares be a professor of software system.

  I cannot testify this as "her student MOHAMMAD HAMDAQA" was so ignorant and had a tremendous background in business but knew nothing on software system at all ! "

  "I spent hours talking to ladan via her idiot student from JORDAM-kingdom that seems to have even acquired a faculty position at so called "ÉCOLE POLYTECHNIQUE DE MONTREAL-qc-chien-tabawak-satan" (`https://www.polymtl.ca`) "

5.) ***Teaching assistant under supervision of instructor "deceased–Igor Ivkovic–idiot":***

- * GRADUATE (MENG, MSC, MASC, PHD) LEVEL COURSE – METHODS AND TOOLS FOR SOFTWARE ENGINEERING (ECE 650) FALL term (Sep.–Dec.) "2013"
- * GRADUATE (MENG, MSC, MASC, PHD) LEVEL COURSE – FOUNDATIONS OF SOFTWARE ENGINEERING (ECE 651) SPRING term (Jan.–Apr.) "2013"

6.) ***Teaching assistant under supervision of instructors "Patrick LAM", and "LIN tan":***

- SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE (ECE 453 / SE 465) SPRING term (Jan.–Apr.) "2015"

II. ***Duties completed by Teaching Assistant [Diplom–Informatiker (Dipl.–Inf.)] Xavier Noumbissi Noundou*** | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

1.) ***Teaching assistant under supervision of instructor "Patrick LAM":***

- SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE (ECE 453 / SE 465) SPRING term (Jan.–Apr.) "2010"

  "I AM THE one that creates the only sample solution to midterms. PATRICK is not very good at kind of creating technical solutions based on graph-theoretical foundations as for instance when creating equivalence class based test sequences solutions."

- PROGRAMMING FOR PERFORMANCE (ECE 459) SPRING term (Jan.–Apr.) "2011"

  I co–create with other teaching assistants such as [JON–eyolfson] solutions for assignments and / or midterms exams.

  I also receive students during predefined weekly time frame so to help them out with understanding of learning courses material.

RESEARCH AND TEACHING (Teaching Assistant – continued [1] - the University of Waterloo, Ontario, Canada)

1. CO-teach and CO-assign, & Co-mark Assignments for Graduate and Undergraduate Computer (Software) Engineering Students (ECE Department) |
   University of Waterloo, Ontario, Canada [OCT. 2009 – APR. 2015]

   [*PROOF READING,*
   static code dataflow analysis,
   SCALA,
   Java, C++, JUnit testing,
   research ideas talks and development,
   computer programming teaching]

I. ***Students from the University of Waterloo, Ontario, CANADA I helped during my stay at the University of Waterloo, ON:***

1. [***"Matthew Ming Ma, M.ASc., Mechatronics, Engineering":***]
   - How to configure a "developer" Java virtual machine under Ubuntu LINUX;
   - "I gave him contextual help in writing Java code for his Master of Applied Science project, under supervision of Derek Rayside".
   - HE then got a so called, at ***"APPLE INC. LTD."*** (https://www.semanticscholar.org/paper/Temporal-Property-Verification-in-Plugin-based-Noundou/c68c2374b1dca17edab774ee8a1d09b015f29b33) , software in test developer (https://www.apple.com/jobs) job;

     That is why even a ***"WIFI–connection"*** to a laptop doesn't work with APPLE phones as I COULD experience myself in CAMEROON (a white phone paid for $120 CAD).

2. [***"DR. JON eyolfson, Ph.D. in Electrical & Computer Engineering"***:] (https://www.jeyolson.com)
   - How to use efficiently and effectively double pointers in C++ function / method calling argument parameters;
   - "I gave him my full LaTex doctoral Ph.D. thesis (ECE calls this a research proposal) document for helping him out with a template at his own request".

3. ***"DR. Vajih MONTAGHAMI, Ph.D., Electrical & Computer Engineering"***:
   - Thorough discussions and talks about his research ideas and on computer programming related topics.

4. ***"zheng FELIX fang, M.ASc., Electrical & Computer Engineering"***, from Ph.D.-advisor of mine Dr. of Engineering "Patrick LAM":
   - Overview on ["Divam Jain's"] previous work on SOOT and static dataflow analysis for generating JUNIT test cases.
   - Brief discussions and talks on using static dataflow analysis for generating JUNIT test cases.;
   - "Declared MASTER OF APPLIED SCIENCE title" at the UNIVERSITY OF WATERLOO: " " (https://www.uwspace.uwaterloo.ca/handle/).

5. ***"Divam Jain, M.Math., Computer Science"***, from Ph.D.-advisor of mine Dr. of Engineering "Patrick LAM":
   - Gave "DIVAM" sample code of my sample projects in Java about static dataflow analysis à la "Gary A. kildall : A unified approach to global program optimization (https://doi.acm.org/10.1145/512927.512945)"; As opposed for instance to static dataflow analysis "à la IFDS (INTERPROCEDURAL ...)" from "THOMAS–reps at the university of wisconsin-madison" (https://).
     IBM provides WALA as library for working with IFDS framework. (https://)
   - Introduction and supervision on how to use SOOT (https://www.soot-oss.github.io/soot) ;
   - Brief discussions and talks on using static dataflow analysis for JUNIT test case generation;
   - Declared "Master of Mathemathics" title at the UNIVERSITY OF WATERLOO: " " (https://www.uwspace.uwaterloo.ca/handle/).
   - FOLLOWING plagiate by [zheng FELIX fang] and [PATRICK lam] originate from this seminal initial work where I contributed partly in code source writing:

     A) "Identifying Test Refactoring Candidates with Assertion Fingerprints" (https://dl.acm.org/doi/abs/10.1145/2807426.2807437)

RESEARCH AND TEACHING (PROFESSOR (EXPERT) -[HELPING OUT]- THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. HELPing black–descendant students from the UNIVERSITY of waterloo–racist–on |
   UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Oct. 2009 – apr. 2015]

I. ***Students from the University of Waterloo, Ontario, CANADA I helped during my stay at the University of Waterloo, ON:***

1. ***"Amirhossein Vakili, Ph.D., Computer Science":*** (`https://www.cs.uwaterloo.ca/~avakili`)
   - How to use `MAKE`;
   - static dataflow analysis explanation.
   - "1st at all functional programming with `SCALA` introduction".

2. ***STUDENTS in cameroon association rowac. (`https://rowac.ca`) "JUST IN MY SPARE TIME, not at a position in university"***
   - I presented and gave out certain documents I wrote about computer web software security vulnerabilities protection; AND measures to protect documents and computer–laptop during, after 1 general meeting evening around 06 : 00 PM.
   - AFTER graduating, and came back into canada to resign an idiot-canadian citizenship acquired for travel-without-visa-purpose-only to EUROPE; I then discovered that several members of ROWAC were secret–servicess-agent of my assassin of paternal uncle LAURENT-tchandeu, PleniPOTENTIARY–minister:
     - Dr.-vincent-nazi-nanga
     - Dr.–pd-innocent tchigio
     - CHEONGWA wandzi-~~cheongwa@yahoo.com~~

3. ***"Godrick–chékété, Ph.D., French literature": "JUST IN MY SPARE TIME, not at a position in university"***
   - I MET "Godrick–chékété" via "YAW boakye-agyeman, ph.d. student in recreational studies at the UNIVERSITY OF WATERLOO, ON CANADA";
   - Help in FINDING HIS way after his divorce from his spouse from BENIN (house searching, car fixing, etc.);
   - HELP in looking for a financial loan at a Canadian bank.

4. ***"Eric Brefo–Mensah, Ph.D., Chemistry": "JUST IN MY SPARE TIME, not at a position in university"***
   - I MET Eric brefo-mensah via "CHIWANZA-kasanga";
   - Help in proof reading his Master Thesis LaTex document before his final submission in "year 2018".

5. ***Shirley Ddamba, "M.ASc, Civil Engineering": "JUST IN MY SPARE TIME, not at a position in university"***
   - I MET SHIRLEY at a bible study at the UNIVERSITY OF WATERLOO, ON CANADA;
   - Help in learning hands–on car driving in Ontario.

6. ***Esther Lambert, "Ph.D., Geography, University of Toronto,*** 2017***": "JUST IN MY SPARE TIME, not at a position in university"***
   - I MET ESTHER while she was cashier at ZEHRS–churchill–street.
   - Help in proof reading her Master thesis for the department of geography;
   - Help in learning hands–on car driving in Ontario;
   - ESTHER then pursue 1 year internship at ONTARIO green–belt institute; SHE then was admitted at the University of Toronto for "doctoral Ph.D. in GEOGRAPHY".

RESEARCH AND TEACHING ('PROFESSIONAL' TEACHING ASSISTANT – CONTINUED [2] - THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. CO-teach and CO-assign, & Co-mark Assignments for Graduate and Undergraduate Computer (Software) Engineering Students (ECE Department) | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [OCT. 2009 – Apr. 2015]

I. ***Professional Computer Engineers living in Germany I helped during my whole time at "UNIVERSITY OF WATERLOO, ONTARIO, canada":***

1. ***"A paternal uncle Demo Noundou from Cameroon"*** (https://www.ank-technologies.com).

*r-**"DD-David–DEMO noundou"*** who at 1st was an illegal migrant worker idiot in GB–great britain, a junior brother of my late father and genitor "Théodore Nounbissi, B.Sc., Electrical & Computer Engineering"; was a student in Information Technology student at "TUHH — Technische Universität Hamburg–Harbug" (https://www.tuhh.de), and graduated from there with a "Bachelor of Sciences (B.Sc.)".

"Demo" then obtained a position as "PHP – Java Web Software Developer" at "Canon LTD.", based in Germany - Osnabrück !

AT least trice (3 times) a month, I will receive a phone call from Germany requesting software programming and / or database technical help from this GUJA.

Each time I could solve his issues until HE stopped calling around August 2014, when I became a CANADIAN citizen, and when himself *r-**"DD-David–DEMO noundou"*** went for a marital union with *r-**"Astride Patibé"*** ; a nurse from Cameroon – Baham – BAFANG tribe.

*r-**"CÉLESTIN puene"*** is another (Food–processing) engineer from Cameroon that came to myself sent by "his natal village Babouantou" friend paternal uncle *r-**"DD-David–DEMO noundou"*** .

HE came saying he needed help in buying a mechanical truck from the USA for his brother in cameroon who possessed a road construction society in YDE. *r-**"CÉLESTIN puene"*** was first living in Frankfurt–GERMANY, before moving around 3 years after myself, into Canada [WASKAGANISH, qc; and "then Brampton, ON"].

" *r-**"CÉLESTIN puene"*** and *r-**"DD-David–DEMO noundou"*** are now member of [⋆ ⋆–*"ROTARY CLUB INTERNATIONAL"*–⋆ ⋆]; *r-**"DD-David–DEMO noundou"*** was initiated by *r-**"MBOUM, MD, Ph.D. (surgeon)"*** from OSNABRÜCK–germany. I could say I do not want to be member when *r-**"DD-David–DEMO noundou"*** asked for this in year 2014".

RESEARCH AND TEACHING ('ADVISING' – CONTINUED [3] - YERITH R&D)

I. TRAIN young engineers & developers; CO-write software parts for YERITH–ERP–9.0–PLATINUM |

YERITH R&D, YAOUNDÉ, CMR [2016 – 2017]

A. "***ENGINEER–ENSPY job seeker–gay PAUL:***"

THIS young scientist from ECOLE–NORMALE–SUPERIEURE-de-Yaounde came to myself via THE culprit named JOSEPH–djoumessi during my attending of a biblical study at his home in BYEMASSI–yaounde–ACCACIA; IN year 2016***.***

"I started teaching C programming to this young gay electrical engineer from CMCI–communauté missionnaire internationale chrétienne OBILI–obédience (CMCI–obili); While he was looking for employment for almost 6 ***years after graduating as BSc.–eletrical engineer from "École Nationale Supérieure Polytechnique de Yaoundé - ENSPY"."***

HE stopped attending just 2 weeks after starting participating in group meeting with the 2 following scientist–educators.

HE said his financing person wanted him to focus only in applying for positions in industry such as "BRASSERIES DU CAMEROUN", etc.

B. "***Scientist–educator–cuon KITIO:***"

THIS young scientist from ECOLE–NORMALE–SUPERIEURE-de-Yaounde came to myself via THE culprit named JOSEPH–djoumessi during my attending of a biblical study at his home in BYEMASSI–yaounde–ACCACIA; IN year 2016***.***

"I taught him how to use DEBIAN LINUX ***from the command line."***

He could find a position as computer science teacher in a secondary school in west cameroon !

C. "***Scientist–educator–cuon CHARLES–eteme; now working at Yaounde GENERAL hospital:***"

THIS young scientist from ECOLE–NORMALE–SUPERIEURE-de-Yaounde came to myself via THE culprit named JOSEPH–djoumessi during my attending of a biblical study at his home in BYEMASSI–yaounde–ACCACIA; IN year 2016***.***

"I taught him how to use DEBIAN LINUX ***from the command line."***

HIS father could find him soon a position at "Yaounde GENERAL hospital" where he was earning "250 000 ***Xaf" to start his career as a staff web developer.***

TODAY, as I have been living in Cameroon for more than 6 ***years now full time; I believed he was a "SED"–anti gang; IT means someone hijacking people from west–region so to make them wretched as a political argument for PAUL–biya–idiot–CPDM–president.***

RESEARCH AND TEACHING ('ADVISING' – CONTINUED [4] - YERITH R&D)

I. TRAIN young engineers & developers; CO-write software parts for YERITH–ERP–9.0–PLATINUM |

YERITH R&D, YAOUNDÉ, CMR [Jan. 2021 – "November 8, 2024"]

A. "***Engineer JEAN–PIERRE kamgain–idiot:***"

This not professional computer science & computer engineering graduate, from "THE university of Yaounde 1", and from "IAI Cameroon"; was interested in various web-related tasks for searching employment within Douala.

1.) ***plain code source "C" application programming interface development;***

A sample task was a development of a translator from "Qt 5 user interfaces (".ui" files)" onto "HTML5 pages";

2.) ***Java servlet & apache tomcat server;***

A sample project using APACHE–maven (https://), for car maintenance & rental was developed both by myself and by JP-kamgain-culprit.

THIS sample exegete of "IAI Cameroon" wasn't capable of clearly write Java code as supposed with a "***bachelor of honours in Computer Software Engineering***" from both "IAI Cameroon"; And "University of Yaounde 1 (UY 1)".

3.) ***PHP software development.***

4.) ***Training P.C.T.B–sarl employee on YERITH–ERP–9.0–platinum:***

The culprit and school–mate NGADJEU-francis, refused to utilize JP because he went without asking advise from me recruit a so called call–girl–IUC-cameroon (https://myiuc.com).

5.) ***Indicator for destruction of YVES-landry-galax-etoga in person:***

"JEAN–pierre kamgain has been trying to hijack my properties, both physically and emotionally because I COULD notify that HE was trying to spy my activities for "C.P.D.M party as NGADJEU–francis from P.C.T.B.–sarl did"";

"Also JP-kamgain is the one that went to propose my ERP software system to BONTÉE sarl in AKWA-sud douala."

6.) ***[COPLATEC sarl is a psy–company for hijacking people at home:]***

OUR experience in Africa has been that at least "85% of societies" that are of type "SARL–ndlr–société à responsabilité limitée", 'GmbH (https://WIKIPEDIAlinkDefinition.ORG)-in-German-language';

"are companies for gay owned by soldiers FOR hijacking male and/or female consultants like myself that do not participate officially in lesbianism and homosexuality–zoophyte."

ARLETTE-sibeufo seemed to be also member of SED.

RESEARCH AND TEACHING (POSTDOCTORAL RESEARCHER AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. Create and Present, & Write Research Projects in Computer (Software) Engineering Students (ECE Department) | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2012 – Apr. 2015]

[*VIJAY–ganesh–chenapan, static dataflow taint analysis, dynamic binary program analysis, "INTEL-Pin", LLVM*]

A. ***Duties completed by Researcher [Doctor–Ph.D. of Engineering (Dr.–Ing.)] Xavier Noumbissi Noundou***:

1. ***SUCCESSFUL attendance of graduate level courses to improve my dissertation writing and research skills level of knowledge :*** [Sep. 2012 – OCT. 2015]
   - a.) [***"Program Analysis for Web Apps"***] "Grade 88%";
   - b.) [***"Static Analysis for Software Engineering (SASE)"***] "Grade 88%".

2. ***SOLE and INDEPENDENT idea and research of development*** of static dataflow taint analysis with use of "compiler framework ***LLVM***", for solving following complex software engineering problems: [Sep. 2012 – OCT. 2015]
   - a.) ***"Application Programming Interface (API) usage temporal rules"***;
     "QUANTAMP.COM (https://www.quantstamp.com) uses for instance part of this research outcome to solve the problem of checking the conformance of BITCOIN–related–software-automated–contracts."
   - b.) ***"Detecting software security vulnerabilities"*** that endanger normal workflow, PER user–requirement elicitation, OR per software usability engineering: "***BUFFER–OVERFLOW problems***"; "***SQL–injection problems***"; "***FORMAT–STRING attacks problems***"; "***AUTOMATIC test case and test data generation solution classes***";
   - c.) ***"VERY PRECISE AND DETAILED collaboration with Pr. Prof. Dr.–Ing. VIJAY-ganesh"***;

   THIS research is more detailed in: YERITH–SAINT (*https://www.zenodo.org/record/8051293*) [11].

ASSISTING PROFESSOR AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA

1. Create and Present, & Write Research Projects in Computer (Software) Engineering (ECE Department) | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2012 – 2014]

[*RESEARCH outcome plagiarism,*
RESEARCH outcome hindrance,
"JAN–peleska-crédule; best–ever–professor of mine",
"student advising–MISSING paper",
static dataflow taint analysis,
LLVM (https://llvm.org/racist--apple)]

A. ***Duties completed by Assisting Professor [Doctor–Ph.D. of Engineering (Dr.–Ing.)] Xavier Noumbissi Noundou***:

[Summary-PAGES]

1. **EXPERIMENTATION WITH IFDS–FRAMEWORK FROM "REPS ET AL."** [JAN. 2013 – JUNE 2013]

I discovered the "IFDS–Interprocedural Flow Dependency System–GRAPH" (https://) algorithm by THOMAS reps from UNIVERSITY-of-WISCONSIN-MADISON (https://), and from "Grammatech" (https://www.grammatech.com);

"I really enjoyed this graph–based software system interdependence algorithm; and accompanying free FOSS IBM–wala library (https://) ".

NEVERTHELESS I tried a personal implementation of the IFDS–framework using SOOT (https://www.soot-oss.github.io/soot) & SCALA with no successful binaries; BECAUSE the ideology for using "IBM–wala" was quite strange to my understanding !!!

*I then renounced & abandoned to pursue and implement "The KILDALL–style" ("Gary A. kildall : **A unified approach to global program optimization** (**https://doi.acm.org/10.1145/512927.512945**)") using C^{++} and a book–Advanced Compiler Design–from ...IBM author... !*:

YERITH–SAINT (*https://www.zenodo.org/record/8051293*) [*1?*]

2. **[SUMMARY of student research–teaching advisory work both "autonomously" and, from my PH.D–advisor PATRICK].** [Sep. 2009 – Mar. 2015]

3. [Previous RESEARCH–development at AGBS—UNIVERSITY–OF–BREMEN.DE] :

"JAN peleska is my 1st best ever professor because I learned the best research skills from him while working in his research group in Germany–bremen–racist (E.g.: Unfortunately for myself; I couldn't get any professional–vocational student software developer position in a commercial company installed in Bremen.). (https://informatik.uni-bremen.de/agbs/jp) "

[*FSE–soqua* 2006]

*"More importantly we had a paper at Foundations OF Software Engineering research conference in 2006 while I was working on my "**Diplom–Informatiker degree [Dipl.–Inf.] (Master of Science equivalent)**" in his research group at the **University–of–bremen.de** (**https://www.cs.uni-bremen.de**): **"Test Automation for Hybrid Systems"** (**www.informatik.uni-bremen.de/agbs/jp/papers/peleska_et_al_soqua2006.pdf**) — (**"VERIFIED.DE"** (**https://www.verified.de/products/model-based-testing**)) !!! "*

4. **Follow–up on research started by [DIVAM-jain] with following other fellow researchers at ECE:**
   - DEREK-rayside
   - PATRICK-lam
   - REID-holmes
   - LIN-tan-idiot-gay-non-sense-girl
   - FELIX-fang
   - etc.

I started collaborating with DIVAM jain because PATRICK-lam sent DIVAM jain to me for learning about static dataflow code analysis using SOOT.

"***WHEN divam–jain–racist left, I pursue this same research with FELIX fang, and then with researchers afore–mentioned in office of the director of software engineering program PATRICK-lam; Where we attended to group collaborative meetings.***"

THEN he was more about the problem itself; IN this occasion, how to automatically generate "JUnit test suites test cases" based on static code dataflow analysis of unit test code of the analyzed projects.

"A benchmark of "at least 100 open source Java libraries" was used to test these projects JUnit test code.

From this research came out at least 11 conference peer–reviewed papers and some journal articles, AND i wasn't mentioned as a co–author either:

1.) "Identifying Test Refactoring Candidates with Assertion Fingerprints" (https://dl.acm.org/doi/abs/10.1145/2807426.2807437)

Assisting Professor at the University of Waterloo, Ontario, Canada — CONtinued — II

1. Create and Present, & Write Research Projects in Computer (Software) Engineering (ECE Department) | University of Waterloo, Ontario, Canada [Sep. 2014 – 2018]

["*sodomite–peggist–JULIA–rubin–AT–UNIVERSITY–of–british–columbia–CANADIAN-rate–gay–Israelite–ANTI–JESUS–OF–Nazareth*", *dynamic binary program analysis,* *"INTEL-Pin"*]

A. ***Duties completed by Assisting Professor [Doctor–Ph.D. of Engineering (Dr.–Ing.)] Xavier Noumbissi Noundou***:

4. ***DEVELOPMENT of certain features of PHP-Java–judo–quebec web application for management of club members:*** [JUNE 2014 – NOV. 2014]

   THE research paid–provision was around "1000 $CAD" a month, which was very insignificant because of all the technologies working together such as: `PHP`, `GWT (Google Web Toolkit)`, etc.

5. ***PATRICK–idiot lam research idea***, and personal sole development of a dynamic binary program analysis for moving "PROGRAM–POINT" during runtime execution based on certain loop–condition; USING "`INTEL-pin`": [SEP. 2014 – OCT. 2014]

   PATRICK–idiot lam didn't allow myself to complete the program under his sole supervision.

   I WASN'T really happy because he interrupted my main project on static taint dataflow analysis; HE didn't tell me anything about any outcome, and/or later done publication or whatsoever.

   THIS research is more detailed in: YERITH–SAINT (*https://www.zenodo.org/record/8051293*) [11].

6. ***!!–sodomite–peggist–woman–attention–patrick–JULIA–rubin–ece–british columbia–faineant-chien–tabaweak–canaoe*** said she will continue research with myself at UBC (`https://wwww.ece.ubc.ca/mjulia`) so I WILL GRADUATE as a "PH.D." ! [2018]

   " IT was dereak-gayside that said I SHOULD TRY TO apply somewhere else than university–racist–of–waterloo since they–idiot–of–lam could call the police to arrest myself ILLEGALLY on waterloo dirty–racket–pd–cuon–tabaweak–quebec-salaud main campus !!! "

   PLEASE FOLK that may think a white–racist Gives you a residence permit to allow yourself to fulfill your peace dreams; IT'S NOT THE CASE.

   " THE WHITE–GAY–DAY–nancy–racist is only trying to reduce the speed of perfectionism and development of your country of origin by harassing you there with corrupt–gay authorities so you will try to go outside. "

   " All these mansory–free–rotary–club–ETC.; CATHOLIC–gay–church is only a way to hijack your life in anti-christ–of–negger–jesus–of–nazareth like myself I HAVE BEEN experiencing for 7 years in ontarian–CANADA–shit–people–race. "

RESEARCH AND TEACHING (RESEARCH ASSISTANT – DIPLOM–INFORMATIKER – AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. CO-create and CO-present, & Co-write Research Projects in Computer (Software) Engineering Students (ECE Department) | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

[*Algorithms dis–pension,*
finite automaton theories,
"[Year 2010 report]",
"[Year 2011 report]",
"1st summer school on formal techniques",
[IDIOT-black-afro-descendant Sandy BEIDU from ghanaian land]]

I. ***Duties completed by Research Assistant [Diplom–Informatiker (Dipl.–Inf.; MSc)] Xavier Noumbissi Noundou***:

1. [SUMMARY of student research–teaching advisory work both "autonomously" and, from my advisor–PH.,D. PATRICK].

2. ***SUCCESSFUL attendance of graduate level courses to improve my dissertation writing and research skills level of knowledge :*** [SEP. 2009 – DEC 2011]

   a.) [***"First SUMMER SCHOOL on FORMAL techniques"***] "~~participated with certificate~~";
   b.) [***"Computer–Aided Verification–racist–nancy"***] "Grade 90%";
   c.) [***"Advanced Compiler Design–cuon–plagiarism-of-jon"***] "Grade 86%".

3. I went to menlo–racist–college (`https://fm.csl.sri.com/SSFT11/index.shtml`) in California, USA, to the 1st summer school on formal techniques from "May 22, **2011**" until "May 27, **2011**"; under a recommendation-required (from professor doctor NANCY-idiot-day (`https://www.cs.uwaterloo.ca/~nday`)).

   I was accompanied by the GHANAIAN called SANDY–cuon–beidu supposed to be a very famous computer scientist originating from my home continent AFRICA.

   [THIS hideous ignorant fellow, from a very poor material background arrived at the university of waterloo "WatForm–waterloo formal methods" in year 2010 if I have good memories; Saying to the world he is a JESUS-christian;]

   This kind of black-afro-descendant is so disgusting that I believed that the racist JO–atlee-his-research-advisor (`https://www.cs.uwaterloo.ca/~jmatlee`) went to pick him so to dishonest myself in front of the extremely dominant ["iranian female population in ECE graduate student folks"] !

   HE even thought that I RENTED my "`ford fusion`" to tell them (Sandy–idiot–day, and a lady from long–island–black–prostitute) that I AM A WELL–TO–DO–MAN in front of them.

   [I JUST remembered my BUSINESS-trip while I WAS TRAVELING for SIEMENS-medical-solutions-erlangen IN concord-ca-usa; And I KNEW I NEEDED to be mobile; THAT's why I RENTED A luxurious "ford fusion" from my savings account from my HARD-job at SIEMENS.]

   [SANDY-idiot-poor-man-in-all-system thought when the other ghanaian idiot-story-teller-Dr.-PhD–ERIC-brefo-mensah brought me to his travesty–basement–slot in WATERLOO, in ontario, 2018; THAT i needed some drink from him !]

   [PLEASE folk from basement places in GHANA; Cameroon don't need this kind of down-treatment as CAMEROON is way more advanced as demonstrated ONLY by me !!!!!!!]

4. I have worked on topic "temporal property verification in plugin–based software"; and created a computer–Libreoffice–Impress presentation slides for the IBM workshop CASCON 2010–CDP-compiler-... (`https://www.sable.mcgill.ca/~clump/cdp2010/index.html`); [IBM WORKSHOP–CDP CASCON 2010]

   THIS research as ***"Master Of Science"*** (so called "DIPLOM–INFORMATIKER DEGREE, ABBREVIATED (DIPL.–INF.) (MASTER OF SCIENCE EQUIVALENT)[1]") led to my ***"Doctoral Thesis / PhD comprehensive examination" released research technical document*** : ***"Temporal Property Verification in Plugin-based Software"*** (`https://www.semanticscholar.org/paper/Temporal-Property-Verification-in-Plugin-based-Noundou/c68c2374b1dca17edab774ee8a1d09b015f29b33`)

5. I have created sample program static code analyzes using the SOOT framework (`https://www.soot-oss.github.io/soot`) wo to acquire skills in static code program analysis.

   A very short introduction: " " (`https://`) to SOOT framework by ....

6. I HAVE IMPROVED my algorithm design skills by implementing popular algorithms using the Following ALGORITHM POPULAR BOOKS:

   A. ***Computer Systems: A PROGRAMMER'S PERSPECTIVE, 2nd edition ("ISBN 13 : 978 − 0 − 13 − 610804 − 7"); by "BYANT"–racist & "O'HALLARON"–racist-sexist***;

   B. ***Introduction to Algorithms—Isbn: " "; by THOMAS cormen*** (`https://www.amazon.com/Introduction-Algorithms-fourth-Thomas-Cormen/dp/026204630X/ref=sr_1_1?crid=2UBHH37C2Y2J3&dib=eyJ2IjoiMSJ9.RxrAGDmePG_uPSHKskT1qe4eJp18_sU0zfGdVFedlBzcVOqunH6HMFDuvjfBk5T7_hbHBgRqWHVSmsYFd0OP9qIyOhMWcDwVMeRQodxABi7cszQQi1XxeWBu8jZqpGALecudSCyPct_N4de9gwldrRqhL2Alh8huCTZ2PeIofPH8JLCoUOjaTq8vuQ-G7z1Jdit5yRk2hl627B7GRAFVG3fiolk8kSGbcuK5_JsFw6g.AobHaMGD2q1MBzQIcdziArWAzLVbUQztj2REK1DRJ0Y&dib_tag=se&keywords=CS+Algorithm+book&qid=1726183252&s=books&sprefix=cs+algorithm+book%2Cstripbooks-intl-ship%2C313&sr=1-1`).

RESEARCH AND TEACHING (RESEARCH ASSISTANCE FROM FOLK–IDIOT – DIPLOM–INFORMATIKER – AT THE UNIVERSITY OF WATERLOO, ONTARIO, CANADA)

1. CO-create and CO-present, & Co-write Research Projects in Computer (Software) Engineering Students (ECE Department) | UNIVERSITY OF WATERLOO, ONTARIO, CANADA [Sep. 2009 – Dec. 2011]

["**JOHN HOPCROFT**", "**samaneh navabpour–racist–extreme**", *"1st Summer School on Formal Techniques", LLVM, SOOT*]

I. ***People from [the University of Waterloo, Ontario, CANADA] whom I got academic help:***

1. "AAKARSH nair, M.ASc., Computer ENGINEERING, 2009"
   - "AAKARSH nair was the 1st student of DEAR-idiot PATRICK lam I have ever met.

     HE is the 1st one to give me sample code on static dataflow analysis with "Java–SOOT framework (https://www.soot-oss.github.io/soot) " à la "Gary A. kildall : A unified approach to global program optimization (https://doi.acm.org/10.1145/512927.512945)" "

2. "NANCY day"
   - "Professor DAY wrote a very good and tremendous recommendation that was used to admit myself to ***"First Summer School on Formal Techniques"*** (https://), by THE NATIONAL SCIENCE FOUNDATION, SRI International, Menlo College, Atherton, California, USA; in year 2011".

3. "Samaneh Navabpour, Ph.D., Electrical & Computer Engineering"
   - SAM gave me 1st explanations about LLVM by using her previous work for a paper–RITHM (https://) she worked on in SEBASTIAN fischmeister embedded computer research group; She confessed not having exactly applied a static dataflow analysis à la "Gary A. kildall : A unified approach to global program optimization (https://doi.acm.org/10.1145/512927.512945)";

     BUT used only control flow graph related features to perform static dataflow analysis; this is NOT exactly ClANG (https://).

4. Pr. Prof. Dr.–Ing. Nomair Naeem, Ph.D. (https://www.cs.uwaterloo.ca/~nanaeem)
   - NOMAIR was the 1st person apart from Patrick, my doctoral Ph.D. advisor that took so much time to help me understand and proof read my DOCTORAL PH.D. THESIS (HTTPS://WWW.SEMANTICSCHOLAR.ORG/PAPER/TEMPORAL-PROPERTY-VERIFICATION-IN-PLUGIN-BASED-NOUNDOU/C68C2374B1DCA17EDAB774EE8A1D09B015F29B33) [1a];
   - NOMAIR helped myself in understanding the intricacies of a context–sensitive static parametric analysis by explaining from his research paper Multi–object ... (https://).

5. Prof. Dr. Ondřej Lhoták, Ph.D. (https://www.cs.uwaterloo.ca/~olhotak)
   - Professor Lhoták accepted to review my YERITH–SAINT algorithm thoroughly.
   - Ondřej was very kind to help me with source code of 1 of his 1st LLVM dataflow analysis, before I started my own.

6. Pr. Prof. Dr.–Ing. JOHN hopcroft, Ph.D. (https://www.cs.cornell.edu/jeh/)
   - Explanation, at my email request, and very promptly and generously about an algorithm in his compiler book.

'RESEARCH & DEVELOPMENT' AND TEACHING (GRADUATE INTERN AT INTERNATIONAL BUSINESS MACHINERY (IBM))

1. Perform duties assigned by big manager and PATRICK doyle in Java–J9 JUST–IN–TIME OPTIMIZATION team (, located in Markham–ONTARIO–canada); (advised by Prof. VIJAY sundaresan, M.Sc. (MCGILL, QC, CANADA) |
Patrick Doyle, (M.ASc., UNIVERSITY OF TORONTO, Ontario, CANADA))) |
IBM TORONTO–IDIOT SOFTWARE LAB. [01/2012 – 08/2012]

[*Program OPTIMIZATION, "Clark–salaud Verbrugge, Ph.D. (https://www.sable.mcgill.ca/~clump) ", JVM – Java virtual machines, IBM – WEBSPHERE, Managers are really understandable, Racism from restaurant in india–bangalore–IBM–gay*] [Summary Dr.–Ing. (Ph.D.) Review Research-PAGES]

I. *Comfort excellent for work research at IBM*:

1. I was working into a brown cubicle and had so much freedom in work that I WAS SOMETIMES afraid that I AM NOT PERFORMING well.

BUT when I STARTED working closely more with VIJAY I felt so busy that I WAS DREAMING of going home around $03:00PM$ in evening;

IN total, IBM in MARKHAM offers very good working and research conditions for his employees, ***even better than my previous 1st full–time job as JUNIOR-SOFTWARE-DEVELOPER at SIEMENS MEDICAL SOLUTIONS in Erlangen, BAVARIA, GERMANY !!!***

SIEMENS MEdical solutions was really good in Erlangen; But i didn't like seeing "BOSS gerhard" watching his arm watch any 2 minutes to make sure we only had 45 minutes lunch–break; "Secretary "gudrun" is also really helpful and smiling ! "

II. ***ISSUES - Problems with some colleagues***:

1. ***Prof. Vijay Sundaresan, MSc. – from Bangalore, INDIA***
THIS daemon of work was so kind that I ONLY FEEL I have satisfy him as much as he wanted and could !!!

HE is very attracted to good and fast male workers; because female workers would only try to hijack his time for a snack !!!

I am very proud of having work with such an amazing scientist at all !!!

ALSO the team managers, including the chinese woman, were very kind to myself as the only male afro–descendant from AFRICA !!!

2. ***Patrick idiot Doyle, M.ASc. – from Ireland–CANADA***
THIS ignorant as a teacher and / or mentor couldn't even pick myself at time when I Was waiting for my hiring team for the internship to come at my encounter in the biggest room where we all intern were awaiting 1st day of internship.

III. ***Duties of Graduate INTERN [Doctor of Engineering] Xavier Noumbissi Noundou***:

1. ***FIX SOFTWARE TESTING FEATURE AUTOMATION USING BASH SCRIPTS***
I felt a lot better at this task because I could feel having a positive impact on the project team lead by manager that I don't remember names and academic titles.

ALSO vijay sundaresan wasn't very disgusting as people working in the restaurant, that always served myself BURNed food, especially paganan-food.

Vijay sundaresan is a very talented software lead and developer that I could ever see in my career; I VERY MUCH LIKED THE INTERACTIONS with him compared to PATRICK doyle.

TODAY I FEEL there are 2 factors that helped:
A. MCGILL university (https://www.mcgill.ca) graduates in Computing Sciences are very much talented compared to other students from ONTARIO.
B. VIJAY–sundaresan was born also outside of Canada–racist–systemic like my recruiting manager that I forgot about names;

2. ***MAINTAIN CERTAIN DAYS BUG DATABASE***
AT all not very difficult, since I WAS USED TO use CHARMNT in my previous full–time job at Siemens Medical Solutions in Erlangen, BAVARIA, germany.

3. ***ATTEND TO COURSES AT IBM TORONTO-IDIOT LABORATORY GIVEN BY "pr. prof. dr.–ing. clark-salaud verbrugge" FROM MCGILL.ca (https://mcgill.ca) "on Creating Optimizations for Compilers"***

4. ***SOLVE AS MANY AS BUGS IN COMPILER OPTIMIZATION CODE SOURCE IN C++***
Coming from a program analysis research team, that performed more static code analysis using framework like SOOT, and LLVM; I WAS KIND OF not performing very well at this task at all because of the very applied and complicated data structures; Especially because PATRICK–indigeneous–iranian–irish–from–british–kingdom never even got me to a small talk for explaining me briefly what was the governing ideas leading the development team in MARKHAM.

INSTEAD, i only received so many documents that I had to read and detect understand myself.

Earning as much as 3 000 $CAD monthly, I FELT SO BAD that I Went to complain to the manager; a very kind person; that allowed then myself to work with the team lead VIJAY sundaresan...

'RESEARCH & DEVELOPMENT' AND TEACHING (JUNIOR SOFTWARE DEVELOPER AT SIEMENS MEDICAL SOLUTIONS)

1. CREATE AND MAINTAIN C^{++} CODE SOURCE FOR THE SOFTWARE COMPONENT (which is protocol communication control) TXSUPERVIOR of Syngo–RTT–Artiste Therapist Software (advised by DARIO MERAVIGLIA | GERHARD SENG) |

SIEMENS MEDICAL SOLUTIONS, BAVARIA, GERMANY [NOV. 2007 – July 2009]

[*C^{++},*
Software Integration Testing,
ROBOTER–linac,
Radiation Therapy Treatment,
IMRT beam treatment,
TXSUPERVISOR software component development]

I. ***Duties of Junior Software Developer [Diplom–Informatiker (Dipl.–Inf.)] Xavier Noumbissi Noundou***:

1. ***"MARVELOUS TRAVEL to Concord, CALIFORNIA, USA : my greatest and high paid experience of work since I was given birth in*** 1983 ***!!! —*** 5 000 **EUROS**

   THANK you boss gerhard-idiot-SENG !!!!!!!! "

2. "Participation in cancer treatment (IMRT) radiation therapy training, and all other software development related training for this position as JUNIOR SOFTWARE DEVELOPER."

3. "***C^{++} coding and defects fixing*** of DMIP control communication protocol as heart of Software component TXSUPERVISOR: around 110 000 Lines of code (SLOC)."

4. Development of an automated software integration test infrastructure:
   a. Cygwin bash–scripting
   b. `Microsoft COM component as [CORBA] agent communication used`

5. ***Software Integration testing using "IBM Purify Plus"***.

   *(COMPETITOR FROM "**Pr. Prof. Dr.–Ing. Xavier ~~Noumbissi~~ Noundou**": YRI–DB–RUNTIME–VERIF (https://www.zenodo.org/records/10474033) [?b]):*
   git ***https://www.github.com/yerithd/yri-db-runtime-verif*** ;

6. "`DMIP Control Console`" device as user control management for simulating radiation therapy linear accelerator "SIEMENS Linac Artiste" in our laboratory in Erlangen ground–base;

7. *Focal entry point of all bugs of "**Syngo-RTT-Artiste Therapist**" software. INVESTIGATION, and then redistribution, according to defect type, to an appropriate sub–team VIA team–lead "Gehrard Seng".*

8. Support technical in writing software user manual with software testers.

9. Support technical with software testers in using "`Syngo-RTT-Artiste Therapist`" software.

10. Phone support technical in TROUBLESHOOTING "`Syngo-RTT-Artiste Therapist`" software.

11. Maintenance of communication development support from software developers from Siemens Concord in California, USA.

12. ***Maintaining using "MS office" of design documents of TXSUPERVISOR and "DMIP control communication protocol"; based on "FSM state machine theory": United States of America's FDA (U.S.A – Federal Drug and Administration), as well as CE (European Community) had to review the digitally signed documents; stored in "SAP–EDM (https://www.sap.de)*** ".

13. Assisting "DARIO meraviglia" in selection of interns based on their qualification as reported on their CV – resume.

14. Advising of 2 software testing maintenance part–time employees:
    1. 1 from Germany, from The University of Bamberg (Bayern, Germany);
    2. 1 as an intern, from India.

15. "`VMWare`" (`https://www.vmware.com`) as debugging image creator development tool.

16. "`MS Windows 2000`", as well as, "`MS Windows NT`", as software development operating systems platforms.

17. "`Visual Studio C++`" as IDE;

18. "`IBM Rational ClearCase`" as Code BASE source management control software used;

19. "`IBM CharmNT`" as bug management platform used;

'RESEARCH & DEVELOPMENT' AND TEACHING (JUNIOR SOFTWARE DEVELOPER AT SIEMENS MEDICAL SOLUTIONS)

1. CREATE AND MAINTAIN C++ CODE SOURCE FOR THE SOFTWARE COMPONENT (which is protocol communication control) TXSUPERVIOR of Syngo–RTT–Artiste Therapist Software (advised by DARIO MERAVIGLIA | GERHARD SENG) |

   SIEMENS MEDICAL SOLUTIONS, BAVARIA, GERMANY [11/2007 – 07/2009]

   [*C++*,
   Software Integration Testing,
   ROBOTER–linac,
   Radiation Therapy Treatment,
   IMRT beam treatment,
   TXSUPERVISOR software component development]

   I. ***ISSUES – Problems with some colleagues***:

   1. ***Gerhard Seng and Dario Meraviglia told myself I should be promoted to the position of Dario as "technical lead of the software module component TXSUPERVISOR (only 1 developer)" if I could succeed in gaining a full–time permanent contract after an initial successful 6 months period of work under direct leadership of DARIO MERAVIGLIA.***

      "AFTER SUCCEEDING the trial period of 6 months, I obtain a change of software developer contract from a full-time limited contract to a full–time permanent contract with "Siemens Medical Solutions"."

      "HOWEVER after an additional 15 months of work, I am not anymore promoted to a higher level position of Technical Lead."

      "This is why I decide to make the effort to go back to academia and pursue [a doctoral Ph.D. in Electrical & Computer Engineering (Computer Software)] at the University of Waterloo, in ONTARIO, CANADA; WITH [Dr.-PhD patrick lam as academic adviser] !! "

   2. ***"Merlin Tonka from Cameroon" is calling me even before my first day at job in Erlangen to tell me he hopes I will be able to perform well and thus keep my job beyond the 1st 6 months period of try: He tells myself HE got my email from boss "Gehrard Seng";***

      "From NORTH of GERMANY WHERE I STUDIED AND LIVED for almost 6 years before being recruited and before moving to Fürth–BAVARIA–Germany, this is not "SACK–ARBEIT": I.E. one shall not mixed private life affairs with business matters at all: THIS IS HOW I LEARNED IT in HAMBURG, and BREMEN ! "

   3. ***"Merlin Tonka" one day follows myself in metro and bus so to tell me that HE shall be promoted as a team of a new testing and developers team, And that he shall be my manager.***

      " I was wondering silently (because very young in year 2008 with only 23.5) years old ("Merlin Tonka was at least 40 years old in front of my age"), that someone less qualified than myself and currently employed as only a software tester, which is a lower level required qualification; Put aside you are PhD–doctor-of-engineering; and that was recruited only 1 week before my personal recruitment, will become my manager by telling it to me only in streets ! "

      "THE italian master of science–level engineer Dario Meraviglia is my technical lead, followed by Gerhard Seng, our common teal lead at Syngo–RTT–Therapist–SW–Realize team" !

   4. ***After leaving "Siemens Medical Solutions" legally by resigning with a signed letter 3 months before leaving my IG–METAL-tariff-vertrag employment in year 2009; I sent a letter to thank "MERLIN TONKA" for the positive professional collaboration I had with him as a fellow cameroonian, despite a lot of troubles we had; I sent this letter only around 1 month after starting studying in Waterloo, Ontario, Canada.***

      "THE answer from "Merlin Tonka" is so negative minded and outspoken that I need to reply to tell him truth about not trying again to tell me he is superior to myself: I.e. Merlin tries in a letter to tell me I could not perform well in software developer job, that's why I resigned !!! "

      "Only smelling the same dirty "grey–shirt" MERLIN was wearing almost every day was not comfortable because he was sitting just opposite side of my office–desk ! "

      "I today in year 2024 can remark as a citizen living inside CAMEROON that killer from governmental agency [DGRE wear generally grey–shirts !]"

      "UDM–université des montagnes (`https://WIKIPEDIA.ORG-racist`) later on in year 2009 invited DGRE-activist MERLIN tonka through THE KILLER OF MY GENITOR théodore noumbissi; So called [HUGUES NTOMANI tiako], which is sleeping with genitor ROSE sangnou so to perform crimes on my person even now in year 2024 ! "

      "WHITE–blond supremacist slave–maker; PLEASE stop to hijack black afro–descendants that are talented. TILO. MÜCKE. DARIO. MERAVIGLIA. MERLIN. TONKA ! "

’RESEARCH & DEVELOPMENT’ AND TEACHING – CONTINUED (1) (JUNIOR SOFTWARE DEVELOPER AT SIEMENS MEDICAL SOLUTIONS)

1. CREATE AND MAINTAIN C^{++} CODE SOURCE FOR THE SOFTWARE COMPONENT (which is protocol communication control) TXSUPERVIOR of Syngo–RTT–Artiste Therapist Software (advised by DARIO MERAVIGLIA | GERHARD SENG) |
   SIEMENS MEDICAL SOLUTIONS, BAVARIA, GERMANY [11/2007 – 07/2009]

III ***Students living in Germany I helped during my whole time at Siemens Medical Solutions:***

1. ***”paternal uncle Demo Noundou from Cameroon”***.
   Information Technology student in Bachelor of Sciences (BSc) at "TUHH — Technische Universität Hamburg–Harbug".

   [Help in proof reading his Bachelor–Thesis.]

IV ***Students living in Canada I helped during vacation time by my uncle maternal ”Théodore Wandji”:***

1. Co–roommate of Théodore Wandji at 5850 Rue Souart, #7, H3S 2E8, Quebec, Montreal, CANADA:

   ”Basser from Syria”:

   Electrical & Computer Engineering student in Master of Applied Sciences (M.ASc.) at "ÉCOLE POLYTECHNIQUE DE MONTREAL".
   NON paid technical support in programming C^{++}, with ***”MS Windows** 2000 **as operating system (OS) platform”***.

2. ***”Fabrice TCHOUMI from Cameroon”***:

   Electrical & Computer Engineering student in Bachelor of Applied Sciences (B.ASc.) at "ÉCOLE POLYTECHNIQUE DE MONTREAL".
   NON paid technical support in programming C^{++}, with ***”MS Windows** 2000 **as operating system (OS) platform”***.

V ***Software Development Colleagues were:***

1. Software Developer ”MAMIDI” from INDIA.
2. Software Developer ”Detlef” (Contractor) from Bayern–Germany.
3. Team Lead ”Gerhard seng” from Bayern–Germany.
4. Software Architect Balakrishnan; from India.
5. Technical Lead DESIREE görisen; from Bayern–Germany.
6. Technical Lead [Dr.] GANESH gopalakrishnan; from India.
7. Technical Lead [Diplom–Informatiker (FachHochschule) : [Dipl.–Inf. (FH)]] Johannes Bauer; from Bayern–Germany.
8. Technical Lead [Diplom–Informatiker (FachHochschule) : [Dipl.–Inf. (FH)]] Martin Maier; from Bayern–Germany.
9. Technical Lead [Ing., Polytechnico Di Milano] Dario Meraviglia; from Italy.

VI ***Software Testing Colleagues were***:

1. Test Manager ”TILO mücke”; from Germany.
2. Software Tester ”Merlin Tonka, M.Sc. (Computational Engineering, University of Erlangen–Nürnberg, Germany)” from Bagangte, Cameroon–French-Island
3. Software Tester ”Suschma” from India
4. Software Tester ”Swapnil, Bachelor (Mechanical Engineering)” from India
5. Software Tester ”Dhananjay” from India

RESEARCH AND TEACHING (STUDENT SOFTWARE DEVELOPER AT GEWETE GMBH)

1. CREATE SQL databases Java Servlet programs and C^{++} communication protocol software programs (advised by SVEN KAMRATH | JENS MÖLLER) | BERGMANN AUTOMATEN GMBH (NOW GEWETE GMBH), GERMANY [03/2005 – 04/2007]

[C^{++}, *MAKE*,
Java, Servlets, apache ANT, Eclipse IDE,
XML (e.g: JAXP library*),*
Qt, SQL,
Vending machines, Communication protocol]

I. ***APPLICATION FOR A STUDENT DEVELOPER POSITION AT "BERGMANN AUTOMATEN GMBH"***:

I stumble on this offered position while I WAS LOOKING FOR A NEW DEVELOPER position part–time when I KNEW MY PROJECT with "PROF. DR. RER. POL. KLAUS–racist bönkost" would not be renewed.

THE position was advertised on a website for student jobs of the TUHH (https://www.tuhh.de).

II. ***Duties of Student Software Developer [Vordiplom in Informatik] Xavier ~~noumbissi~~ Noundou***:

1. "LaDIVA java servlet XML parsing project development, and its installer Graphical User Interface (GUI) program developed using "JSWING" (https://) Java library technology."
2. "MESO": "LaDIVA java servlet XML parsing follower project development."

   The novelty in this follower project is that I INTRODUCED, based on my research skills, acquired in BREMEN, an object–relational database object mapper called JAVA–ORB (https://); THIS was to be capable of giving newer customers ORACLE 9i functionalities from "LaDIVA java servlet XML parsing project" !!!
3. "C^{++} coding of a "Sap-ABAP protocol communication interface" to put "Bergmann Automaten GmbH" vending machines in communication with vending machine of Hamburg public library that used "BIBLIOTHECA software library"."
4. "C^{++} coding of SIPv2 control communication protocol (https://)."
5. Migration from "ORACLE 9i database tables" onto "MySQL database tables" for the MESO project (follower of LaDIVA software project); I used following technologies:
   a. BASH–scripting
   b. AWK scripting language.

III. ***Students living in Germany I helped during my whole time at "Bergmann Automaten GmbH, Rellingen, Hamburg":***

1. ***"paternal uncle Demo Noundou from Cameroon"***.
   Information Technology student in Bachelor of Sciences (BSc) at "TUHH — Technische Universität Hamburg–Harbug" (https://www.tuhh.de).

   "Demo" then obtained by "Bergmann Automaten GmbH" a position as "Bachelor student working on its thesis, project–based":

   a. I talked to "Mister Sven Kamrath of this request", by "Mister Demo Noundou", of a Bachelor Thesis Project.
   b. HE ("DEMO") then refused a final offer as full–time "Java software developer" because he felt he couldn't perform well in a "Java plain object (JPO)" software development environment.
   c. *"[2008] Demo Noundou, B.Sc." then accepted a position at "Canon Ltd. as* **PHP – Java Web Software Developer** *in Osnabrück; HE can–also wear title Dipl.–Ing. (FH)."*.
   d. " [2015] DEMO NOUNDOU is now at his own company in web development & training in HAMBURG. (https://ank-technologies.com) "
   e. " [2024] DEMO is also a consultant in african universities curriculum development based in KENYA, and others. NO ONE CAN BE A PROPHET IN HIS HOME–YAOUNDE. (https://SAINTEBIBLE.COM/jesusquoteTOCHECK) "

   "DEMO NOUNDOU, B.Sc." also had a "grade of (10.5/20)" which is not a very good grade to enter such position as the one I GOT LATER ON AT siemens medical solutions; A "GRADE OF 14.5/20" is required to apply for any entry level position at "SIEMENS AG GERMANY–low–payer".

IV. ***ISSUES - Problems with some colleagues***:

1. ***Herr Sven Kamrath was very angry at myself 1 day during my stay in Rellingen to talk about an ongoing project 'LaDIVA XML Servlet Parser Server' !***
   "He found a subtle bug that I then fixed the same day."

'RESEARCH & DEVELOPMENT' AND TEACHING (WEB–HTML–CSS DEVELOPER AT ZENTRUM FÜR MULTIMEDIA IN DER LEHRE (ZMML))

1. CREATE AND MAINTAIN websites – www.s-hb.de (https://www.s-hb.de) mainly – for KLAUS–racist–extreme BÖNKOST (advised by PROF. DR. RER. POL. criminal Klaus Bönkost) |
   ZMML–UNIVERSITY–RACIST-SEXIST OF BREMEN, BREMEN, GERMANY [Feb. 2003 – Feb. 2005]

   [*'dunklefarbige mitarbeiter xavier aus Afrika',*
   HTML5,
   CSS,
   "photoshop",
   IMAGE–dateien,
   FADRI,
   SVEN schu]

   I. ***Duties of WERKSTUDENT [candidate vordiplom in INFORMATIK] Xavier ~~noumbissi~~ Noundou***:

      1. "***Reception, and implementation, of design documents (e.g.: "photoshop images", etc.) from FADRI-racist***."
      2. ["***Programming of HTML5, CSS web pages***."]
      3. "***Programming of RAD–server programs with Graphical User Interfaces (GUI); With programming support of Sven–schu-nazi***."

         "***RAD–server programming language (https://wikipedia.org...) is a sample VISUAL BASIC dialect domain specific language.*** "
      4. "***Participation in weekly meeting on development of websites and test facilities for students in economia***."

RESEARCH AND TEACHING OBJECTIVES – UNI–RACIST BREMEN

1. CREATE A MODEL-BASED TESTING FRAMEWORK TO AUTOMATICALLY GENERATE STATECHART MODEL TEST CASES FOR REACTIVE SYSTEM SOFTWARE (advised by Prof. Dr. rer. nat. habil. Jan Peleska) |
UNIVERSITY OF BREMEN, BREMEN, BREMEN, GERMANY [09/2006 – 05/2007]

a. MASTER IN COMPUTER SCIENCE THESIS (DIPLOMARBEIT): "STATISTICAL TEST CASE GENERATION FOR REACTIVE SYSTEMS (GRADE 18/20)"; as part work for the **FSE–SOQUA** (2006) Research Conference Proceedings full research paper: 'Test Automation for Hybrid Systems' (VERIFIED.DE), AGBS–UNIVERSITY OF BREMEN, GERMANY [12/2006 – 05/2007]

[*"V"–"WATER FALL"–MODEL of Software Development, reactive system, statechart, TDIOHS (time discrete input output hybrid system), STCT (symbolic test case tree), uniformly distributed statistical test case generation, MBT–RT-Tester*]

Algorithms developed by myself for this 'Master of Science research–based Thesis ("Diplomarbeit" in German)' (`https://www.informatik.uni-bremen.de/agbs/qualifikationsarbeiten/diplomarbeiten_e.html`) [1a], based on 'Prof. Dr. Marie–Claude Gaudelle' research outcome, as a mathematician in France, are used in the `RT-Tester` tool of the verification and validation research and German society "VERIFIED SYSTEMS INTERNATIONAL GMBH, SPIN–OFF THE UNIVERSITY OF BREMEN" *(`https://www.verified.de`) .*

b. C++ CODE GENERATION PLUGIN IMPLEMENTATION WITHIN CASE tool 'Borland-Together', AGBS–UNIVERSITY OF BREMEN, GERMANY [09/2006 – 02/2007]

[*reactive system, statechart, TDIOHS (time discrete input output hybrid system), STCT (symbolic test case tree), C++ code generation, MBT–RT-Tester*]

Our algorithms are for the "`TDIOHS: Timed Discrete Input / Output Hybrid System`" (`https://www.informatik.uni-bremen.de/agbs/jp/papers/peleska_et_al_soqua2006.pdf`) state diagram formalism, that could be visualized by statecharts for instance using a 'Verified Systems International GmbH plug–in' for 'Borland-Together 6' (`https://en.wikipedia.org/wiki/Micro_Focus_Together`).

c. CogAG project: "Robot "Arni" usage in framework of creating mapping recognition algorithms and cartography.", Cognitive Systems Group (CoSy), "Christian Freksa as Project creator and lead", CoSy – University of Bremen, GERMANY [01/2005 – 03/2007]

[*Cognition, Cartography, Robot control, sensor, actuator, Debian Linux, C++, `Qt`, systemic racism*]

"My personal contributions were in creating `QT` user interfaces code for controlling the virtual shop and the roboter "ARNI". I also was very much implicated in Software Engineering round–about code such as blackbox code for keeping a BB–blackboard software architecture between our software components and the `MySQL` database tables used to share some of the data between components of the software system."

I was also involved in:

1. *HELPING in general project organization for instance:*
   A. Writing project meeting minutes.
   B. Looking for places in train, buses for project week-end ("PROJEKT WOCHENENDE")
   C. Etc.
2. *Searching for places ("Student sleep places – JUGENDHEBERGE") for project-week-end in groups for fasting our project development;*
3. *Writing `LaTeX` documentation for project reports;*
4. *Writing `JUnit` testing code for GUI code;*
5. *Writing BASH–scripts for tackling connection problems between actuators and the Debian Linux Operating System (thanks to Christian).*

"Unfortunately I received a grade of only 2.7 (14/20) because I wasn't interested in cartography and cognition algorithms since this was the specialty of "Christian Freksa" and "CoSy Group of Research" (`https://cosy.informatik.uni-bremen.de`)."

THIS IS THE REASON our project advisors "FRANK dylla", and "LUTZ frommberger" gave as justification to this baddest grade during my entire curriculum in ACADEMIA at all !

I also need to mention that I was the only "SCHWARZNEGGER – black from africa" in this research group of mainly white–blond–racists like "MICHA", and "STEPHAN"...

THEse 4 racists-idiot said some day I may not be very comfortable in group working with white–intellectual. I THINK "frommberger the female-male-gay–BORN-male was at origin of such systemic" sexist discrimination around myself; even during my research time under supervision of male-female–chevalie–boivert-PATRICK-lam !

d. "A SEMENTIC COMPARISON BETWEEN BÜCHI AUTOMA AND TIMED AUTOMATA (Grade 20/20)", AGBS–UNIVERSITY OF BREMEN, GERMANY [09/2004 – 12/2004]

[*Vordiplom in informatik – INDEPENDENT STUDY, Bachelor Independent Study, timed automata, büchi automata, timed csp, set algebra*]

I developed a set of transformations functions that take as input a büchi automaton and generates a timed automaton. This work was the 1st work under supervision of "Jan Peleska", at our request, because we had interest in working in avionics software development in his company "Verified Systems International GmbH (`https://www.verified.de`)".

It is my uncle maternal "Théodore Wandji Ngongang" who is the one that gave me this advise at that time of my life where I was around 20 years old in Germany; "Just at my 2nd year of University."

"Finally a small offer a 200 Euros monthly came after I performed 100 % for this work unpaid [details at link 1b], that I used as Independent study. "

e. "1st & 2nd Semester Software Development PROJECT (Grade 18/20)", ST–UNIVERSITY OF BREMEN, GERMANY [09/2002 – 09/2003]

[*"V"–"WATER FALL"–MODEL of Software Development, Software Engineering, Project Requirements, "Gant Diagrams", UML 2.0, XML, PHP, MySQL, `Java`*]

- *"This 1st and 2nd semester project, divided in 2 parts consisted in creating a multi–user dungeon server (MUD–server) where a virtual world existed; 1st year was used to elicit user software program requirements, and establish "Requirement documents using UML 2.0".*
- *""`telnet (port 23)`" protocol was used as client–server communication mechanism."*
- *"I involved myself in a project where I contributed around 7 000 lines of plain `Java` code of program development."*

RESEARCH AND TEACHING OBJECTIVES – PSY–CARE – UNIVERSITY OF BREMEN

1. Psychological care |
UNIVERSITY OF BREMEN, BREMEN, BREMEN, GERMANY [10/2002 – 07/2007]

A. *"DIPL.–PSYCH. RALF ERIC STREIBL."*, **MATHEmatics and Computer Science Department**, University of Bremen, Germany [10/2002 – 07/2007]

[*"Dipl.–Psych. Ralf ERIC Streibl"*.]

"As a student of computer science in the "FB3" of the UNIVERSITY OF Bremen, In city Bremen, HANSEATISCHE-CITY, Germany, WE had a psychologist as 1 of our lecturer called "Dipl.–Psych RALF–idiot Eric Streibl"."

RALF–idiot was kind of very reluctant to discriminative opportunities because I remember having visited courses on web creation based on PHP, and MariaDB, since I WAS having [a student–job (WERKSTUDENT) at "ZMML"].

Eric RALF–idiot also gave myself a so called course titled "PROPÄDEUTIK" where we students learned on how to effectively, clearly present our projects or work; THIS was done in groups and individually !

B. *"AT–HOME–RACIST–IN–BREMEN PROGRAM"*, **Foreigner office–"Sekretariat für AUSLÄNDISCHE studierende"**, University of Bremen, Germany [JULY 2005 – AUGUST 2017]

[*"RAÏNER schulze–smidt"*.]

THIS program was exclusively addressed for foreign country students to gain access to german in–born families in order to accustom one to germany as a home country.

"I joined this program because my maternal uncle "THÉODORE WANDJI" recommended it to myself because He was emigrating to CANADA–montreal, And would have been very far from me. "THÉODORE wandji ngongang" was the one person that welcomed and invited myself to study in BREMEN ! "

AT this effect, each volunteer foreigner student would be connected to a single volunteering family of BREMEN. IN my specific case, I was assigned to the "ARISTOCRATIC"–bürgerliche family "SCHULZE–SMIDT", originating predominantly from HOLLAND into GERMANIA.

MISTER "raïner–schulze–smidt", and his 2nd"SPOUSE GABRIELLE schulze-smidt" were really kind and nice to myself.

"RAINER was "sole investor and proprietor–German–INHABER of an insurance company in Bremen, and in LONDON–great–britain", WHERE he did his apprenticeship as "INSURANCE–business–man". HIS 2nd spouse Gabrielle that I met in person; Was a part–time "physiotherapist" for the football team of Bremen city : "WERDERBREMEN (https://)"."

Through them, I could know more about the origins of the autonomous–HANSE-STADT of Bremen, since "GOVERNOR SMIDT" as upper–upper grandfather of "MR. RAÏNER Schulze–Smidt", was governor of BREMEN for 50–years, and is the one person that acquire land from "HANNOVER–autonomous–STATE", to create a water–port–German–haven; "BREMERHAVEN", as a city and port for the autonomous city–federal–STATE of BREMEN.

People and places I visit, and met, through organization of RAINER and GABI :

1.) *HIS cousins from Brazil by talk–only & pictures (https://); that I DON'T remember family names;*
2.) *HIS cousins from JOHANNESBURG by talk–only & pictures (https://); that I DON'T remember family names, but that are having a wool factory for exportation in the state of BREMEN–recist germania;*
3.) *VISIT of "evangelic church" on King–JESUS birth day "December 25th";*
4.) *VISIT of MUSEUM–"Fockemuseum";*
5.) *VISIT of "musical–theater" in "BREMEN–DOMSHEIDE";*
6.) *"~~Bernhadine~~", "Caspar", "Johann" & "senior sister JULIA" schulze-smidt.*
7.) *Several friends of them in need of computer technical help in terms of Software installation, and support.*
8.) *"DOROTHEE" and "her brother Dr. oec. Sebastian Dettmers (https://)";*
9.) *"Kryenhop family" (https://) : a leader in industrial transfer And sale of asian food and products into GERMANY :*
    a.) *Father "Rolf";*
    b.) *Daughter "SVANTSKE";*
    c.) etc.

"I quit this family relationship at request of "RAÏNER" and "his 2nd spouse GABRIELLE-gabi", because they thought I lied to them that I have got a position as a temporary "SOFTWARE DEVELOPER" employee earning "70 000 Euros" annually at "AMADEUS Germany GmbH", Via THE frankfurter human resource company "". "

MAJOR PROFESSIONAL SOCIETAL IMPROVEMENTS I

1. **2003 – 2005**: [ZMML – University of Bremen, Bremen, Bremen, Germany]: I HAVE ENHANCED LEARNING CAPABILITIES of economics students at the University of Bremen by DEVELOPING WEBSITES AND STUDENT SELF–LEARNING COMPUTER PROGRAMS, together with THE TEAM OF PROFESSOR KLAUS BÖNKOST.

2. **2006**: [FB 3; University of Bremen, Bremen, Bremen, Germany]: I HAVE created a website for the AFRICAN STUDENT ASSOCIATION "Nasgen e.V (New African Student Generation eingetragener Verein)" !

3. **2006**: [AGBS – University of Bremen, Bremen, Bremen, Germany]: I HAVE pleaded FORMER CAMEROON STUDENT serge achille fopoussi nono TO COME WITH MYSELF CONTRIBUTE at work research group of PROFESSOR JAN PELESKA.

4. **2006**: [GEWETE GmbH, Rellingen, Hamburg, Germany]: I HAVE completely alone, installed and deployed a networked installation of LaDIVA at a section of "KARLSRUHE city council !", SO TO ALLEVIATE DUTIES OF dear mentor DIPLOM–INGENIEUR (FH) SVEN KAMRATH !

5. **2006**: [GEWETE GmbH, Rellingen, Hamburg, Germany]: I HAVE SUCCESSFULLY pinpoint TU HAMBURG–HARBURG CAMEROON STUDENT david demo noundou TO MR. JENS MÖLLER of GEWETE GmbH [1], FOR HIM to HELP MR. DAVID DEMO NOUNDOU with access to FINAL SCHOOL YEAR WORK EXPERIENCE, AND BACHELOR OF SCIENCE THESIS–WORK.

6. **2006**: [University of Bremen, Bremen, Bremen, Germany]: I could successfully provide "MS WINDOWS SOFTWARE" INSTALLATION, TROUBLESHOOTING, and TRAINING to several GERMAN people because of "DEAR MR. RAINER SCHULZE–SMIDT" and HIS SPOUSE "MS. GABRIELE SCHULZE–SMIDT".

   THESE EXPERIENCES WERE VERY POSITIVE FOR my finances !

7. **2005 – 2007**: [AGBS – University of Bremen, Bremen, Bremen, Germany]: I HAVE CONTRIBUTED TO TESTING EFFORTS BEFORE FIRST LAUNCH OF JET FLIGHT "AIRBUS A380" by my scientific AND engineering contributions in STATISTICAL TEST CASE GENERATION within RT–TESTER software of VERIFIED SYSTEMS INTERNATIONAL GmbH; THANKS TO MERCIFUL PROFESSOR JAN PELESKA.

8. **2007 – 2009**: [SIEMENS MEDICAL SOLUTIONS, Erlangen, Bayern, Germany]: I HAVE SUCCESSFULLY MAINTAIN All Oncology Care Systems HOSPITALS customers, throughout the whole planet, ON FRONT–LINE OF problem/defect RESOLUTION WHENEVER technicians on CRITICAL problem phone resolution lines 1, 2, and 3 COULDN'T SOLVE SOFTWARE TECHNICAL ISSUES of linac.

9. **2009 – 2011**: [University of Waterloo, Waterloo, ON, Canada]: I HAVE socially, WITH COMPUTING TECHNOLOGY, helped following afro–descendants from CAMEROON:
   1. CÉLESTIN puene: helped him search on the internet, and call, because of his poor English language knowledge, U.S.A businesses for inquiring on buying trucks for his brother in Cameroon.
   2. FABRICE Kouam Kamdem: maintained and improved an on–line website for FREE for his cameroon oriented professional association.
   3. ALBERT HERVAIS Ngagom Piewe: taught Debian–Linux basic shell command usage, Java and C^{++} programming on phone and internet.
   4. I HAVE presented orally and given personal written material ON SOFTWARE SECURITY AND SAFETY to CAMEROON ASSOCIATION of migrants in KITCHENER–WATERLOO: "ROWAC".

10. **2012**: [IBM Toronto Software Laboratory, Markham, ON, Canada]: I HAVE INTRODUCED skilled migrant cameroon worker, as ACTUARY in TORONTO, "AUDREY Nguetie Tchamga, B.Sc (Université de Laval, Québec, CANADA)" to use and exploitation of FREE AND OPEN SOURCE SOFTWARE (FOSS) "Debian Linux".

11. **2012**: [IBM Toronto Software Laboratory, Markham, ON, Canada]: I HAVE advised, counseled, and even developed an on–line website for fellow CAMEROON expatriate YVES FRANCIS Kamga Mbiele, MBA (ÉCOLE SUPÉRIEURE DE GESTION, Paris) ON HIS ABANDONED PROJECT (WITH DAUGHTER OF FORMER ENERGY MINISTER of cameroon) FOR SOLAR ENERGY PRODUCTION in cameroon.

    I WAS INTRODUCED to "YVES FRANCIS Kamga Mbiele, MBA (E.S.G, Paris)" BY MY AUNT–HUSBAND pr. shanda–tonme jean–claude.

12. **YEAR–2012**: I COULD SUCCESSFULLY buy and implement foundations of "IMMEUBLE $\text{YERITH}_{r\&d}$ " which WILL STEM as a "PREMIER COMPUTING RESEARCH AND "Software Testing & Validation"" center in CENTRAL AFRICA (yaounde, center region, cameroon) !

    I BOUGHT THIS PLOT OF LAND FROM hon. THÉODORE DATOUO; vice–president of parliament in YAOUNDE, CENTER REGION IN CAMEROON !

    Land title CERTIFICATE nr.: 560 792, in SIMBOK, mfoundi vi (6), vol. 265 !

13. **2014**: [University of Waterloo, Waterloo, ON, Canada]: I HAVE searched information, on how to WELCOME and ACCOMMODATE CAMEROON AMBASSADOR IN OTTAWA, for "ROWAC", a cameroonian ASSOCIATION of high skilled migrants (MOSTLY PROVENING FROM GERMANY) in KITCHENER–WATERLOO.

MAJOR PROFESSIONAL SOCIETAL IMPROVEMENTS II

14. **2021**: [YERITH R&D, Yaounde, Center, Cameroon]: I HAVE built a partnership with Dr. PETER Akume Ngoe and his societal NGO so to provide his NGO with VERY CHEAP AND APPROPRIATE software solutions for a NGO financed foodstore.

15. **2022**: [YERITH R&D, Yaounde, Center, Cameroon]: I HAVE SUCCESSFULLY trained Mr. NESTOR Kenfack in ONLY 3 days at basic usage of our ERP software system YERITH–ERP–9.0–platinum for hardware shop selling. Mr. NESTOR Kenfack IS ONLY holder of a "B.E.P.C".

    USUALLY in Yaounde, a holder of a "B.E.P.C" couldn't be trained to use COMMONLY present ERP SOFTWARE SYSTEMS (e.g.: 'Sage Gescom i7', 'SAP Business One', etc.), BECAUSE THEY ARE MEANT for highly qualified users.

    Mr. NESTOR Kenfack HAD NEVER GOT exposure to an ERP system in the past.

16. **2023**: [YERITH R&D, Yaounde, Center, Cameroon]:
    I have given software cyberspace security counsels to Santa Lucia AHALA by talking to a computer technician employee because I could see vulnerabilities at cashier while paying for my goods.

17. **2023**: [YERITH R&D, Yaounde, Center, Cameroon]:
    I have counseled a business owner to start a bigger grocery shop and gave him ideas and ways on how to realize this using YERITH–ERP–9.0–PLATINUM, and, also, my unfinished two-storey building.

18. **2023**: [YERITH R&D, Yaounde, Center, Cameroon]:
    I have started YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE), so to improve computing skills of fellow citizen, and also, of any other person that conforms to Cameroon laws !

20. **2024**: [YERITH R&D, Yaounde, Center, Cameroon]:
    I try to have SANTA–LUCIA–AHALA AS 1 OF MY CLIENT THESE COMING YEARS so to have YERITH–ERP–9.0–PLATINUM there working instead of '0doo'.
    So they (SANTA–LUCIA–AHALA) will contribute in improving quality by thorough usage of this new platinum–platform.

21. **2024**: [YERITH R&D, Yaounde, Center, Cameroon]:
    I am now working with ALT PLUS in YDE–AHALA so to have a working Supermarket in one, Instead "of a hardware-shop + a food-store separately, BUT JOINED physically".

MAJOR PROFESSIONAL COMPUTING RESEARCH ACHIEVEMENTS I

1. **YEAR–2005**: IMPLEMENTATION OF the Java servlet XML parsing and saving server "LaDIVA", AND ITS GUI (JAVA–SWING) configuration and installer program; for GEWETE GmbH !

2. **YEAR–2006**: IMPLEMENTATION OF "MESO"; the IMPROVED and revised version of the XML parsing and saving server "LaDIVA" for GEWETE GmbH !

3. **YEAR–2006**: IMPLEMENTATION OF the library computer systems communication protocol SIPv2 for GEWETE GmbH vending machines !

4. **YEAR–2005**: INVENTION OF A PROCEDURE TO systematically transform A BÜCHI AUTOMATON into A TIMED AUTOMATON ! TASK COORDINATED BY SHAREHOLDER PROF. DR. RER. NAT. HABIL. JAN PELESKA, of VERIFIED SYSTEMS INTERNATIONAL GmbH !

5. **YEAR–2006**: CREATION OF (with higher study part team CogAg of the University of Bremen [Cognitive Systems Group led by DEAR LATE PROFESSOR CHRISTIAN FREKSA]) ROBOT "arnie"; AND PROCEDURES TO automatically map a supermarket both geographically AND store item-wise with RFID technology by HELP OF A ROLLING ROBOT "arnie" !

6. **YEAR–2007** [FB 3! AGBS: Diplom–Informatiker (Dipl.–Inf.)]: IMPLEMENTATION OF statistical uniformly distributed test cases generation for HAREL–statecharts ! COMMERCIALIZED BY VERIFIED SYSTEMS INTERNATIONAL GmbH !

7. **YEAR–2007**: [FB 3! AGBS: University of Bremen, Bremen, Bremen, Germany]: I HAVE CONTRIBUTED TO TESTING EFFORTS BEFORE FIRST LAUNCH OF JET FLIGHT "AIRBUS A380" by my scientific AND engineering contributions in STATISTICAL TEST CASE GENERATION within RT–TESTER software of VERIFIED SYSTEMS INTERNATIONAL GmbH; THANKS TO MERCIFUL PROFESSOR JAN PELESKA.

8. **YEAR–2008**: IMPLEMENTATION OF the communication and control protocol DIGITAL MEVATRON INTERFACE PROTOCOL (DMIP) version 13 for THE LINEAR ACCELERATOR "linac" of SIEMENS MEDICAL SOLUTIONS, Oncology Care Systems (OCS) !

9. **YEAR–2009**: Stopping my career; AFTER 21 MONTHS; as JUNIOR SOFTWARE DEVELOPER at SIEMENS MEDICAL SOLUTIONS (Oncology Care Systems) in ERLANGEN, BAYERN, GERMANY; with 0 defects / faults returning FROM CUSTOMERS because OF non achievement protocol repair ! Award saying from BOSS GERHARD SENG; MY TEAM LEAD !

10. **YEAR–2011** [ECE! Ph.D. in Computer Science]: I HAVE INVENTED AND INTRODUCED A PRACTICAL AND SIMPLE STATIC ANALYSIS BY ITERATIVE DATAFLOW ANALYSIS, to check temporal safety properties, expressed with tracematches, of Java programs !

    THIS TECHNIQUE HAS BEEN USED in following:

    1. (* Similarly, but as a dynamic analysis technique) MASC thesis (2011; submitted at the UNIVERSITY OF WATERLOO, ON, CANADA), OF ASSISTANT PROFESSOR JON Eyolfson of the UNIVERSITY OF TORONTO, ON, CANADA !

       EVEN THOUGH JON Eyolfson MASc (COMPUTER ENGINEERING) SUBMISSION WAS EARLIER THAN MY Ph.D. in SOFTWARE ENGINEERING THESIS DEFENSE, because of finding an examiner (reporting) within ECE DEPARTMENT, I AM THE ONE THAT GAVE A PROTOTYPE DESIGN AND PROTOTYPE DOCUMENT FOR HIS SUBMISSION !

11. **YEAR–2012**: I COULD SUCCESSFULLY DEVELOP manual and automatic BASH (Bourne Again SHell) programs (scripts), THAT LEAD TO A 0.5% improvement of WEBSPHERE computing performance !

12. **YEAR–2013**: CREATION OF A RUNTIME dynamic taint analysis for the QUERCUS PHP INTERPRETER !

13. **YEAR–2015**: FIRST WORLD–WIDE OPEN–SOURCE (foss) RELEASE OF AN LLVM–BASED ON INTERMEDIATE REPRESENTATION (IR) static iterative KILDALL (gary kildall) DATAFLOW ANALYSIS named `'YERITH-SAINT'` !
    `'YERITH-SAINT'`: `https://www.github.com/sazzad114/saint` !

14. **YEAR–2015**: CREATION OF A CONTEXT–SENSITIVE FLOW–SENSITIVE tainted paths generation algorithm by iterative dataflow analysis !

    THIS TECHNIQUE HAS BEEN USED in following:

    1. (* EXACT same technique) PH.D. dissertation / thesis IN COMPUTER SCIENCE (2020; submitted at VIRGINIA TECH, VA, U.S.A), OF ASSISTANT PROFESSOR SAZZADUR Ahaman AT University of Arizona, Tucson, AZ, U.S.A !
    2. PH.D. dissertation / thesis IN COMPUTER SCIENCE (2020; submitted at the UNIVERSITY OF CALIFORNIA, SANTA BARBARA, CA, U.S.A), OF ASSISTANT PROFESSOR ARAVIND Machiry AT Purdue University, IN, U.S.A !

15. **YEAR–2020**: FIRST OFFICIAL RETESTED RELEASE OF THE full featured OPEN SOURCE enterprise resource planing software "YERITH–ERP–3.0–STANDALONE"; FIRST OFFICIAL RELEASE OF THE OPEN SOURCE AUTOMATED BACKUP–SYSTEM AND ALERT ("yerith–erp–3.0"–system–daemon": git `https://www.github.com/yerithd/yerith-erp-9-0-system-daemon`) of FOSS–ERP ("YERITH–ERP–3.0–STANDALONE" git `https://www.github.com/yerithd/yerith-erp-9-0`) !

    "YERITH–ERP–PGI–standalone, server, academic, client" ARE THE DIFFERENT VERSIONS OF THIS FOSS–ERP–PGI–FRENCH !

    SERVER AND CLIENT are mainly meant for a supermarket having several cashiers offices, AND A SERVER directing MYSQL–commercial options in common for different client–cashier–OFFICES !

    ACADEMIC is meant for use WITH an IN–MEMORY DATABASE like "SQLite" !

16. **YEAR–2021**: First stable release of YERITH–ERP–3.0–STANDALONE at PHARMACY FIANGO LYCÉE MAKÊPÈ !

MAJOR PROFESSIONAL COMPUTING RESEARCH ACHIEVEMENTS II

17. YEAR–2022: FIRST DELIVERY OF a compendium OF DOCUMENTS concerning OUR ERP SOFTWARE–SYSTEM YERITH–ERP–3.0–STANDALONE !
https://www.zenodo.org/record/8052724/

18. YEAR–2022: CREATION OF AN OPEN SOURCE state transition diagram LIBRARY FOR RUNTIME DATAFLOW VERIFICATION (YR_SD_RUNTIME_VERIF) (git https://www.github.com/yerithd/yri_sd_runtime_verif)

20. YEAR–2022: MODIFICATION OF A Free Open Source Software (FOSS) "QVGE" (https://showroom.qt.io/qvge-qt-visual-graph-editor) TO DESIGN state diagram TEMPORAL SAFETY PROPERTIES ! "YR_QVGE" ! YR_QVGE is a commercial tool of mine priced at 3 000 EUROS a single executable copy.

21. YEAR–2022: CREATION OF AN OPEN SOURCE SOFTWARE FRAMEWORK for runtime dataflow analysis (YRI–DB–RUNTIME–VERIF | YR_SD_RUNTIME_VERIF) (git https://www.github.com/yerithd/yri-db-runtime-verif | git https://www.github.com/yerithd/yri_sd_runtime_verif)!

22. YEAR–2022: I have added a runtime check verification view within FOSS–ERP ("**YERITH–ERP–**3.0**–SERVER**": git https://www.github.com/yerithd/yerith-erp-9-0) IN ORDER TO VIEW LOG MESSAGES SENT TO YRI–DB–RUNTIME–VERIF !

23. YEAR–2022: CREATION of a systematic method, AND / OR PROCEDURE TO TEST AND / OR verify dataflow of thick–client (or web application), AGAINST A SAFETY TEMPORAL PROPERTY SPECIFICATION expressed as a STATE DIAGRAM (modified mealy machine) !

24. YEAR–2022: FIRST OFFICIAL REPORT in FRENCH LANGUAGE OF ACTIVITIES of YERITH R&D SINCE RELEASE OF FIRST STABLE VERSION OF YERITH–ERP–9.0–platinum!
"REPORT in french: https://www.zenodo.org/record/8051568/" !

25. YEAR–2023: creation of a domain-specific language (YRI_SD_RUNTIME_VERIF_LANG) to describe *state diagram mealy machines* (SDMM).

26. YEAR–2023: IMPLEMENTATION with flex and bison OF A DOMAIN-SPECIFIC LANGUAGE COMPILER to create source C^{++} code files for YRI–DB–RUNTIME–VERIF: YRI_SD_RUNTIME_VERIF_LANG (git https://www.github.com/yerithd/yri_sd_runtime_verif_lang).

27. YEAR–2023: SUBMISSION OF A FULL TECHNICAL PAPER ("YR_DB_RUNTIME_VERIF: A FRAMEWORK FOR VERIFYING SQL CORRECTNESS PROPERTIES OF GUI SOFTWARE AT RUNTIME") TO SPLASH–ICTSS 2023 CONFERENCE in May 2023.

28. YEAR–2023: Implementation of more than 2-states *state diagram mealy machine* (SDMM) in YRI-DB-RUNTIME-VERIF (git https://www.github.com/yerithd/yri-db-runtime-verif), and YRI_SD_RUNTIME_VERIF (git https://www.github.com/yerithd/yri_sd_runtime_verif).

29. YEAR–2023: IMPLEMENTATION of guarded condition expression specification within YRI_SD_RUNTIME_VERIF (git https://www.github.com/yerithd/yri_sd_runtime_verif), and automated code generation of guarded condition expression in YRI_SD_RUNTIME_VERIF_LANG_COMP (git https://www.github.com/yerithd/yri_sd_runtime_verif_lang).

30. YEAR–2023: IMPLEMENTATION OF EMPLOYEE PAY GROUP within YERITH–ERP–9.0–platinum.

31. YEAR–2023: First release of our CASE (Computer-Aided Software Engineering) drawing design tool " **YRI_QVGE** " official commercial document.

32. YEAR–2023: online ENGLISH INTO FRENCH, and vice versa LANGUAGE TRANSLATION within YERITH–ERP–9.0–platinum.

33. YEAR–2023: CREATION of a viewing graphical user interface application for YRI-DB-RUNTIME-VERIF in JUNE.

34. YEAR–2023: IMPLEMENTATION OF FIRST RELEASE OF automatic EMPLOYEE PAY GROUP SALARY CALCULATION. Cumulated pay groups for a single employee salary calculation is included.

35. YEAR–2023: CREATION OF a user's guide for *YERITH_QVGE* .

36. YEAR–2023: STARTED IMPLEMENTATION OF a user sample project AUTOMATIC binary executable generation in YRI-DB-RUNTIME-VERIF.

37. YEAR–2023: IMPLEMENTATION OF MULTIPLE programs under analysis (PUA) monitoring within YRI-DB-RUNTIME-VERIF.

38. YEAR–2023: IMPLEMENTATION OF MULTIPLE runtime monitors WITHIN A SINGLE EXECUTABLE for YRI-DB-RUNTIME-VERIF.

39. YEAR–2023: STARTED journal article (https://www.zenodo.org/record/8381187) for STTT official journal release.

40. YEAR–2023: started a predicate logic for deriving SOFTWARE RECOVERY ACTIONS for sdmm ("state diagram mealy machine").

41. YEAR–2023: started writing YERITH R&D 2023 annual report (https://www.zenodo.org/records/10515549).

42. YEAR–2024: finished writing YERITH R&D 2023 annual report: THIS REPORT specifically says that CPDM ruling party has tried to destroy my life using CHRISTIAN eyoum (https://scholar.google.fr/citations?user=eHvsI1UAAAAJ&hl=fr).

43. YEAR–2024: started writing courses curricula and content for several courses of YECEFOIQ (https://www.yecefoiq-sarl.cm).

44. YEAR–2024: started creation of a web site application for teaching computer science center YECEFOIQ.

45. YEAR–2024: I have implemented case insensitive search for financial expenses list within YERITH–ERP–9.0–PLATINUM.

46. YEAR–March 2024: I have paused new features in YERITH–ERP–9.0–PLATINUM (I.E.: Human resource management, and Financial Accounting management) due to advancements required for their quality assurance, WITH **YRI_QVGE**!

MAJOR PROFESSIONAL COMPUTING RESEARCH ACHIEVEMENTS III

47. **YEAR**–March **2024**: I could finally find 1 company commercial that rented my 1st 3–bedrooms apartment in DLA for "90 000 Xaf" monthly !

48. **YEAR**–March **2024**: I have paid "50 000 Xaf" as starting advance funds for incorporating YERITH R&D SARL.

49. **YEAR**–March **2024**: ~~I am recruiting 1 commercial financial entrepreneur for YECEFOIQ~~ (LOOKING for investment funds).

50. **YEAR**–JUNE **25, 2024**: Returning client N.K hardware shop for YERITH-ERP-PGI-9.0 !

51. **YEAR–2024**: Refining automatic stock CSV data entry.

52. **YEAR**–JULY **29, 2024**: Still training "Christelle Akamba" for just 1 000 Francs an hour.
    THERE is no money outside in Yaounde; and my rental apartments are still not having renters due to LAURENT TCHANDEU that I know has been trying to disrupt my activities in the open source software (OSS) era.

53. **YEAR**–September **08, 2024**: ***I AM working on ground to perfection building YERITH.***

    THERE is lack of funding even though I could have my judicial affair against CHRISTIAN-EYOUM and others to get sent back to NDOKOTI prosecutor.

    UNFORTUNATELY attorney SYNCLAIRE-NJEUTCHA-TCHANA has been trying to disrupt my activities with some money-bribery he received from genitor–organizer of assassination of mine !!!

    I now try to get ATTORNEY-tchonang-albertine on my side these days. C.P.D.M wolfgang owona idiot political party has been trying to take down all my activities so to destroy a non-gay citizen.

54. **YEAR–2024**: Incorporating unit of measure like gram, etc. for inventory stock entry creation and pricing.

55. **YEAR–2024**: Started incorporating Financial debt entries creation in YERITH–ERP–9.0–PLATINUM.

    I am also specifying **YERITH–ERP–9.0–TRADING–REALTIME** for a new idea as good–physical stock exchange start–up marketplace idea.

SOFTWARE (FOSS) CREATIONS I

20.20 'VALKYRIE' upgrade to DEBIAN BULLSEYE (11.0); QT-5

VALGRIND USER INTERFACE: valkyrie (https://www.valgrind.org/downloads/guis.html)

July **2023**

1. Free open source code:
   https://www.github.com/yerothd/valkyrie_NON_OFFICIAL

'VALKYRIE' is a dynamic analysis CASE tool for veryfing memory errors, and using VALGRIND as backend program server for analysis.

21.21 CONTEXT SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM ("YERITH–SAINT")

October **2009** – March **2015**

1. Free open source code:
   https://www.github.com/sazzad114/saint

'YERITH-SAINT' is a static taint analysis that computes tainted paths in C programs and that doesn't require any program annotations. 'YERITH-SAINT' is built upon the iterative dataflow framework and has been implemented using the LLVM compiler infrastructure. 'YERITH-SAINT' is interprocedural, flow–sensitive, and developers can choose to run it either with context-sensitivity or without. THE HEARTBLEED bug (april 2014; security breach in open ssl 1.0.1f) IS A POTENTIAL FINDING OF yerith-saint.

22.22 YERITH-ERP-9.0-STANDALONE

ERP SOFTWARE SYSTEM 'YERITH-ERP-9.0-platinum'

October **2015** – Currently

1. Free open source code:
   git https://www.github.com/yerithd/yerith-erp-9-0

'YERITH-ERP-9.0-STANDALONE' is a FOSS (FREE AND OPEN SOURCE SOFTWARE) ENTERPRISE RESOURCE PLANING SOFTWARE !

23.23 YERITH-ERP-9.0-SYSTEM-DAEMON

'YERITH–ERP–9.0–SYSTEM–DAEMON': AUTOMATED ALERT, AND DB–BACKUP SYSTEM FOR 'YERITH-ERP-9.0-platinum'

October **2015** – Currently

1. Free open source code:
   git https://www.github.com/yerithd/yerith-erp-9-0-system-daemon

'YERITH-ERP-9.0-SYSTEM-DAEMON' is a FOSS (FREE AND OPEN SOURCE SOFTWARE) AUTOMATED ALERT, AND DATABASE BACKUP SYSTEM FOR FOSS–ERP YERITH-ERP-9.0-STANDALONE !

24.24 YRI_SD_RUNTIME_VERIF

'YRI_SD_RUNTIME_VERIF': **C++ Library FOR RUNTIME MONITORING (Safety Temporal Properties) FOR State Diagram MONITORING !**

June **2022** – Currently

1. Free open source code:
   git https://www.github.com/yerithd/yri_sd_runtime_verif

'YRI_SD_RUNTIME_VERIF' is a FOSS (FREE AND OPEN SOURCE SOFTWARE) C++ library, THAT ENABLES TO IMPLEMENT STATE DIAGRAM SAFETY TEMPORAL PROPERTY RUNTIME CHECKING (and/or VERIFICATION).

25.25 YRI-DB-RUNTIME-VERIF

'YRI-DB-RUNTIME-VERIF': **RUNTIME VERIFICATION OF TEMPORAL SAFETY PROPERTIES IN 'YERITH-ERP-9.0-STANDALONE'**

June **2022** – Currently

1. Free open source code:
   git https://www.github.com/yerithd/yri-db-runtime-verif
2. **YERITH–ERP–9.0 DOCTORAL COMPENDIUM**:
   https://www.zenodo.org/record/8052724/

'YRI-DB-RUNTIME-VERIF' is a FOSS (FREE AND OPEN SOURCE SOFTWARE), AND REUSABLE DYNAMIC RUNTIME ANALYSIS AND TESTING INFRASTRUCTURE created for FOSS ENTERPRISE RESOURCE PLANING SOFTWARE 'YERITH-ERP-9.0-STANDALONE' !

SOFTWARE (COMMERCIAL) CREATIONS II

26.26 YRI_QVGE

'YRI_QVGE': **Design and Creation of Runtime SAFETY TEMPORAL PROPERTIES FOR State diagram MONITORING C++ Library 'YRI_SD_RUNTIME_VERIF' !**

2,500 **Euros a single executable copy FOR DEBIAN–LINUX**
June **2022** – Currently

27.27 YERITH-ERP-9.0-STANDALONE: an enterprise (management / financial) Resource Planing Software

ERP SOFTWARE SYSTEM 'YERITH-ERP-9.0-STANDALONE: an enterprise (management / financial) Resource Planing Software'

PRICE DEPENDS ON installations ! (STARTS AT 200,000 **XAF per node–computer; ONLY AVAILABLE FOR DEBIAN–LINUX)**
October **2015** – Currently

TEACHING EXPERIENCE

MONTREAL, QC, CANADA (AUGUST 2009)

1. C++ MATRIX programming with Dr. MOHAMED RIDHA MAHFOUDHI, MBA, PhD (Financial Engineering, University of Laval, QC, Canada) as TRAINEE.

IAI CAMEROUN, YAOUNDE, CENTER, CAMEROON (OCTOBER 2015) (https://https://iaicameroun.com)

1. COMPUTER ARCHITECTURE FOR SOFTWARE ENGINEERS (anglophone section)

UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA (OCTOBER 2009 – MARCH 2015) (https://https://ece.uwaterloo.ca)

1. C++ Laboratory (LADAN TAHVILDARI, Ph.D.)
2. COMPILERS (DEREK RAYSIDE, Ph.D.)
3. COMPUTER NETWORKS (MAHESH TRIPUNITARA, Ph.D.)
4. FOUNDATIONS OF SOFTWARE ENGINEERING (IGOR IVKOVIC, Ph.D.), deceased SINCE NOVEMBER 2020
5. METHODS AND TOOLS FOR SOFTWARE ENGINEERING(IGOR IVKOVIC, Ph.D.), deceased in NOVEMBER 2020
6. PROGRAMMING FOR PERFORMANCE (Prof. Dr. Patrick Lam, Ph.D.)
7. SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE (Prof. Dr. Patrick Lam, Ph.D.)

YECEFOIQ (YERITH-CENTRE DE FORMATION INFORMATIQUE. (starting DECEMBER 25th 2023))

1. Available courses coming soon.

(GRADUATE) STUDENTS ADVISING / COUNSELING

- AMIRHOSSEIN VAKILI, Ph.D. (https://https://www.cs.uwaterloo.ca/~avakili) (COMPUTER SCIENCE, DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE, UNIVERSITY OF WATERLOO, ON, CANADA)
- DAVID DEMO NOUNDOU, BACHELOR OF SCIENCE, INFORMATION TECHNOLOGY, TECHNICAL UNIVERSITY OF HAMBURG–HARBURG, HAMBURG, GERMANY
- 2013, DIVAM JAIN, M.MATH (COMPUTER SCIENCE, UNIVERSITY OF WATERLOO, ON, CANADA)
- 2018,Dr ERIC BREFO-MENSAH, M.SC (Waterloo) (CHEMISTRY, UNIVERSITY OF WATERLOO, ON, CANADA)
- 2009, Dr. ESTHER ELIZABETH LAMBERT, M.SC (Waterloo) (GEOGRAPHY, UNIVERSITY OF WATERLOO, ON, CANADA)
- 2008, Basser (from Syria), MASc (ELECTRICAL ENGINEERING, ÉCOLE POLYTECHNIQUE DE MONTRÉAL, QC, CANADA)
- 2007, 2008, FABRICE tchoumi, MASc (ELECTRICAL ENGINEERING (AVIONICS), ÉCOLE POLYTECHNIQUE DE MONTRÉAL, QC, CANADA)
- 2014, FELIX FANG, MASc (SOFTWARE ENGINEERING, UNIVERSITY OF WATERLOO, ON, CANADA)
- 2005 – 2006, Dr. rer. nat. HASHIM CHUNPIR (MSC, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- 2004 – 2006, DR.-ING. DIPL.-INF. SERGE ACHILLE FOPOUSSI NONO, (DIPLOM–INFORMATIKER, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- 2004 – 2006, DERRICK FIEDLER (born YAPI YAPO), (DIPLOM–INFORMATIKER, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- 2004 – 2006, INES NGAKOU TEMOU, (BACHELOR OF SCIENCE, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- 2004 – 2006, DAVID KAMGA ADAMO, (DIPLOM–INFORMATIKER, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- MARCELLIN TAALY, (DIPLOM–INFORMATIKER, COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY)
- MATTHIAS (from Germany), DIPLOM–INGENIEUR (FH); INFORMATIK–INGENIEUR, UNIVERSITY OF BREMEN, BREMEN, GERMANY
- MAÏMOUNA BAMBA (from COTE–D'IVOIRE), DIPLOM–INFORMATIKERIN; COMPUTER SCIENCE, UNIVERSITY OF BREMEN, BREMEN, GERMANY
- JON EYOLFSON, Ph.D. (MASc / Ph.D. (SOFTWARE ENGINEERING, UNIVERSITY OF WATERLOO, ON, CANADA)
- THÉOPHILE TCHIENTCHO, DIPLOM–INGENIEUR (FH), INFORMATION TECHNOLOGY, UNIVERSITY OF APPLIED SCIENCES, BREMEN, GERMANY

FAMILY THAT I DON'T KNOW WHEREABOUT - I

1. ~~SHANDA family as a destructive life for~~ BOTH noumbissi, and NGONGANG and whereabouts families

"SHANDA Ndjatie Dorothee, and her spouse official TONME-shanda–JEAN-claude" are the 1st persons that started destruction of my life by coming into my family with so called psychiatrist, via WOLFGANG–owona.

"OWONA wolfgang" seemed to getting married with ANGELA which is a cousin maternal of mine because HE WANTS to sell my soul to AMERICAN USA societies in the sense that HE put myself into troubles via GOVERNMENTS AGENCIES, all of them Are linked to secret services to which he belongs, as I HAVE HEARD from ANGELA myself.

Frequently, HE idiot wife says he traveled to USA, so he would talk to people that want my OPEN SOURCE entrepreneurial adventures to be stopped; GET money from them, Then organize hijacking with following agencies:

1.) Social Services; so I AM NO MORE independent in the state of biya–regime;

2.) HOSPITAL like "laquintinie", etc.

Dr.–wolfgang, which is born from MINISTER owona–joseph–deceased, And mother as daughter of MINISTER owona-Gregoire has tried to put Rosicruciary organization AMORC into my life via Angela who proposed to me to join a so called "lectorium–rosicrucae" based at external relations ministry Where WOLFGANG attends with her.

2. WAAH (anne), spouse Kemmegni, is a subject of BIYA SPOUSE !!!

This 'megere' of my grand mother mother's side; Tchuitchui–ELIZABETH;

Is obviously a devilish demon that possesses super–natural powers in dark kingdoms; Based of 3 sacred objects I have last seen in her house in Byemassi–YDE.

1. "Buffle" horns as a representation of Money–laundry–BAPHOMET–satan
2. 2 turtles carapaces in the back of the "Buffle" horns.
3. 2 portraits of girls invoking and respectively crying;

3. **"SANGO, spouse Bernadette Noundou"** IS SOMEWHAT a suspect at origin of this family tragedy !!!

This pseudo-suspect seems to want to acquire my place at KING.

Laurent tchandeu ministry plenipotentiary is a subject of itself at Batchieu–Babouantou kings places.

Obviously, every member of GRAND–FATHER noundou nuclear family is a subject to this GUJA.

4. "Victor Koliou NOUNDOU" IS A NOBODY into my life;

THIS idiot, junior brother of my deceased late father "Théodore Noumbissi" is contacting people INCLUDING "derek rayside (drayside@uwaterloo.ca)" (Already talking with other ignorant paternal unwanted uncle "Jules NTETA noundou (julesnteta@gmail.com; julesnteta@yahoo.fr" from Cameroon external research criminal agency (DGRE));

The idiot Victor presents itself as a chief of a family where I am supposed to belong with some faked official documents from uncle politician LAURENT tchandeu-IDIOT.

OFFICIAL registered document that "Victor KOLIOU NOUNDOU" refused to give a copy to myself when I asked him about, since I am the only, according to documents written by my late grand–father Michel NOUNDOU, Legitimate SUPERVISOR OF HIS left over to children and descendants, WEALTH AND MATERIAL POSSESSIONS !

"Afriland first–bank" and "Intelligentsia employee "**Jean-PAUL–yamtche**"; And CEO currently as of April 2024", A person that I really don't really know whereabouts in his genealogy or affiliation to my late grand–father; "***Jean-PAUL–yamtche***" owns a big storey house just opposite face of our main common house entrance in Babouantou idiot village !

"Afriland first–bank" and Intelligentsia MAIN CREATOR AND INSPIRATORY person; *"Dr. PAUL fokam–kammogne"*, was, according to sayings of my genitor Rose Sangnou, 1 of an intimate friend of my late father and genitor "Théodore NOUMBISSI" !

"LAURENT tchandeu and Rose Sangnou" went to a place of "CCEI–bank (former company name and source of AFRILAND FIRST–BANK)", according to "Rose Sangnou" told myself in person when I reached age 32; That they ("LAURENT Tchandeu my paternal uncle" and "Rose SANGNOU" my genitor) gave money (BRIBED) to an employee of "CCEI–BANK" where "late Théodore NOUMBISSI" owed "*4 000 000* XAF" at his death so that ***MORTGAGE ("hypothèque" in French) on his property–land*** in ***BONABERI-DLA*** **(700 m^2)** would be erased everywhere in computers and documents of former 'CCEI-bank' !

"LAURENT tchandeu and Rose Sangnou" also told me, after I had an employment interview with ***"Dr. PAUL fokam–kammogne"***; that my later genitor and father "Théodore NOUMBISSI" is the one, together with "HUGUES NTOMANI TIAKO", his business partner and soul–mate at that former ancient time, THAT computerized totally all enterprises businesses of "CCEI–bank (former company name and source of AFRILAND FIRST–BANK)" !

I remember seeing my late father only 1 time in a day, around 19 : 00 at diner time; this is before we moved to Yaounde in year 1990; After he quits "CA–CORP (Computer Associates Corporation)–DLA" to open and manage solely "CA–CORP (Computer Associates Corporation)–YDE" !

5. "LAURENT tchandeu (ltchandeu@yahoo.fr)" ASSASSINATES in an hospital "THEODORE noumbissi"; late father of mine on January 1992;

AS an orphan at age of 7.5 years old, I remember uncle paternal Laurent came into our biggest house in YDE–Essos to settle in the secondary apartment at the back of our house.

6. "LAURENT tchandeu" Tries with "Hugues Ntomani Tiako" "VIA judith ngaleu in Etobicoke (Toronto, Ontario, Canada)" to crash "my Toyota Corolla LE–2003" in December 2013

This sorcerer freemason ("Hugues Ntomani Tiako"), and Christian-so-called-ORTHODOX-catholic of Roma, acknowledges that IT SHALLN'T be that I gain cause in the court of justice process THAT I have against "LAQUINTINIE and SED", that sent 9 people, including "Christian Eyoum, MD, PsyD"; in February 2021 at night around 23 : 30, to hijack and attempts to kill myself.

SED sent myself 1 time in a CABANON Because they receive 15, 000 FCFA from "*Henri Bertrand Ngatchou and my genitor ROSE Sangnou*", IN douala 2018.

"Galax Yves Landry Etoga" is personally, as a CPDM political party member, AND not as a SED authority implicated in trying to kill myself through psychiatry and / or any other means !

"Laurent Tchandeu (assassin of Ingrid's father and his elder brother in Babouantou–village)" is the one that connected "Ingrid TEUNTCHOU NOUMENI", born (geboren in German) TCHITCHUI NOUMBISSI; my uterine sister, to marry officially "THE IDIOT AND PSY–CHILD since age 12 *CHANDRIAND TEUNTCHOU NOUMENI*".

7. "LAURENT tchandeu" Deems and Dares OR-DONATES to squeeze my financial money income VIA genitor of mine "Rose SANGNOU" Since September 2023 until TODAY.

8. "***JULES NTETA NOUNDOU*** *extremely dangerous person*" is a consanguine brother (same father; another, still living mother, in same marriage) of "LAURENT tchandeu"; And his helper in almost everything dirty and / or clean here in CMR!

FAMILY THAT I DON'T KNOW WHEREABOUT - II

9. **("Derek Rayside drayside@uwaterloo.ca") pays money to MATHGENEALOGY.ORG project so that an equivalence to my *"Doctor–Ph.D. of Engineering degree from UWATERLOO"*, will be turned from PhD into the non-academic degree ABD; just 2 weeks after talking with "JULES NTETA NOUNDOU" at his dirty—office in "YDE–élig–esssono"**

10. **"David demo noundou" tries to connect me to Laurent external security research agent "Jean–Daniel–tujilo-tchokote"; "VIA his natal village idiot babouantou friend Célestin puene (cpuene@cscmonavenir.ca)".**

11. **"David demo noundou" has written documents in Germany that I was mentally ill while staying 3 days in his rental apartment in September 2018.**

12. **"David demo noundou" is A student of myself at the TUHH; benjamin brother of my late father "THEODORE noumbissi"; since I could help him get an bachelor internship At "GEWETE GmBH", Where I was working while a student at Bremen University state.**

13. **"LAURENT tchandeu" was a "Minister Plenipotentiary of Cameroon Embassies in France, Belgium, etc. for around 30 years outside of Cameroon". Especially promoted sent outside Cameroon 1 year after assassinating his elder brother "THEODORE noumbissi".**

14. **"Henri Bertrand Ngatchou" tries to physically arrest and violates myself in front of at least 7 other people in his private residence of Bankepche-Bangou with no apparent reason other than humiliate myself.**

"Henri Bertrand Ngatchou" vows a personal and individual cult to 'Shanda Owona Biya', especially as an appointed, not applied CPDM (RDPC) political party, vice–president in Bankepche-Bangou; with "Honorable Datouo Theodore" as his president.

15. **"*RODRIGUE alain sienchié ngongang* (sienchie@gmail.com)", Ancient psychiatric patient in Düsseldorf–Germany Sends messages everywhere So I could again be hijacked into a Cabanon–cell FOR mad-ill-people; "Xavier Noumbissi Noundou" paid in total amount 2,000 Euros to help him get back "to his paternal family NGONGANG" in Deido–Dla–CMR !**

16. **"*Théodore Wandji Ngongang, And Aurélie Kamdoum Yano his spouse* (takouengongang@yahoo.ca; ngongangtietie@yahoo.ca)", ows myself around "1 500 EUROS" since year 2005 as he fled out from Germany to emigrates into "Montréal-Côtes–des–neiges" !**

17. **"*Idiot Angéla Tchamou Shanda Wolfgang Owona (krauserminrex@gmail.com)*", a maternal cousin of mine, tries to hijack myself in buses because She deems being a very important personality ("VIP") in front of myself.**

"HER spouse Dr Wolfgang Junior Fernand Owona" was making her ("Angéla Tchamou Shanda Owona") come to myself and harassed me with: "Wolfgang wants to be president of the republic" !

This idiot of Wolfgang is the grandson mother side of "Grégoire Owona", who was implicated in the sudden death of his former colleague "Theodore Noumbissi (Late father of mine)".

"Grégoire Owona" is today inviting "my remaining genitor Rose SANGNOU" to his village houses in "Gomedzap–Center–Region–CMR"; so to think her How to destroy my life as a black and renowned scientist universally from the University of Waterloo; THIS in conjunction with former uni colleagues such as "Dr. PATRICK lam"; etc. "Grégoire Owona" –

For 2 days now (November 8, 2024.); my profile is down at MATHGENEALOGY.ORG project; And at same time I felt several people trying to hijack my person here in Cameroon because a certain "#PASTOR–landry ENTERS MY PERSONAL HOME WITH A WEAPON."

In cameroon, as I have heard from people in background, CRIMINAL-ASSASSIN FROM yves-galax-landry Wear name PASTOR.

Derek Rayside has put back a vietnamese idiot on my file at MATHGENEALOGY.ORG project so that I cannot be upwell in Cameroon.

My official university of waterloo graduate transcripts says:
"Program: Engineering Doctoral;
"PhD" Comprehensive Examination.
Status: Completed
Date Completed: 12/20/2011
In good english: "Doctor–Ph.D. of Engineering ("PhD" in Electrical & Computer Engineering)".
In french language: Docteur–Ingénieur (Dr.–Ing.).

IT means I must also have *Ph.D*. exactly as My former room colleague Jon Eyolfson that is since 2022 an Assistant Professor in Teaching only at the University of Toronto, ON.

18. *"S2TBED main proprietor–ally A SO-called gangster–Simplice–KAMENI was seen* 2 *days ago here in a luxurious car by myself.*

"IMMEDIATELY, today, ***"/Friday–Sep.–27th, & Saturday–Sep.-28th/***, both days in year 2024, I and neighborhood start again to experience energy supply disruption for more than 4 hours.""

SIMPLICE KAMENI seems to be a cocaine dealer that works on laundering money through usage of wood processing & wood sale activities via intermediary White-racist-extremist—italian so-called "MARCO".

ALSO, I could experience certain "neggers" working there from far–north cameroun coming along my foot way to dance kind of like I am their aid.

KAMENI simplice is also implicated in financing together with my cousin culprit-theodore-MOISE-tebiwo-yamkam my properties entirely in Cameroon; Starting year* 2013 *when TEBIWO-yamkam-moise traveled to Canada.

BOTH moise-yamkam-tebiwo, and SIMPLICE-kameni-ebacka; are sleeping in so-called orgy-sexist-FRANCK-biya gay personal property estate here in YAOUNDE.

19. "*HONORÉ WOUCHE, a genitor of mine Spouse;* ", EVENTHOUGH her cousin uterin, as hijacker into my life.

"THIShonore–wouche has been calling me on my phone cell while I was a doctor of Engineering working on my doctoral Ph.D. degree in year 2013; GIVEN TO HIM BY ROSE sangnou."

HONORÉ WOUCHE has lost already at least two wives he got kids with them as a guja.

HIS uterine cousin "Rodrigue Alain NGONGANG SIENCHIE", that tried to break my neck last August 2024 while I was attending home for 4 weeks and visiting faked "church Chapelle De la GLOIRE–DE–CHRIST by FAKED–devilish–racist–bassa pastor–so–called MARK–DJENG-DJENG";

Said to myself in front of honore–wouche that: 'SEND "xavier–noundou–ph.d." Again to MAD–person cell at "laquintinie" AS you did twice at least; I didn't even knew who was this gay–honore–wouche with black tattooed wrist-arm-bracelet for gangster and riders.

IT seems this cousin of my mother–genitor; together with another man-lady–cousin–uterine so called NANA; are working on molesting myself in life here in Cameroon; HE-honore-wouche told me laughing that 1 of his daughter was working in south-cameroon in farming for PAUL-biya-family.

28.28 HIJACK OF MY PRIVATELY OWNED PROPERTY BY laquintinie on FEBRUARY 2021

[r-DR. CHRISTIAN EYOUM – tALKING AT BBC–british-broadcast-corporation (https://), AND ⋆ ⋆–rotarian–⋆ ⋆ club member in douala–sawa–tribe, chief of psy staff of LAQUINTINIE HOSPITAL IN DOUALA (LITTORAL REGION, CAMEROON)], has sent in FEB. 2021, without any official document, 7 people to break into my privately owned (closed with a steel gate) house in DOUALA, so to hijack myself and terrorize me. THIS HAPPENED AT NIGHT AROUND 11:00 PM, with BERTRAND, breaking my gate seals with a weapon of some sort (BERTRAND, was the lead thief of DR. CHRISTIAN EYOUM).

THIS HIJACK OR ATTACK on my person happened just 1 day after I denounced to PRC.CM and SHANDY-SHANDY-CABINET.COM (biological father of my mother's side cousin ANGELA) a fake "BACCALAURÉAT"-DEGREE from 'ANGELA TCHAMOU SHANDA OWONA SPOUSE DR. WOLFGANG FERNAND JR. OWONA', because her sister-cousin CYNTHIA NKWOUANO told me about this: "ANGELA WENT TO CENTRAL AFRICAN REPUBLIC and received her diploma in a hotel".

I ALSO BECAME AN AGENT OF CAMEROONIAN DEFENSE AND SECURITY FORCES ON FEBRUARY 14, 2021.

DR. CHRISTIAN EYOUM after this kidnapping, held me at LAQUINTINIE HOSPITAL for poisoning me 2 weeks, AND THEN RELEASED AN OFFICIAL DOCUMENT TO MY RELATIVE ROSE SANGNOU.

ROSE SANGNOU has since been using the fake document to go meet my clients to say that I AM A PSY PATIENT AND THAT THEY SHALL NOT DEAL ANYTHING WITH MYSELF. ROSE SANGNOU also went to meet all my privately–owned real estate properties' neighbors TO DO THE SAME.

I HAVE COMPLAINT BEFORE DOUALA–NDOKOTI JURISDICTIONAL TRIBUNAL in front of JUDGE HUGUES ALAIN YAGER MABOMA SINCE FEB. 2021:

- 3 convocations have been sent by now to DR. CHRISTIAN EYOUM; he hasn't come to respond to prosecutors.
- I am now awaiting for a "MANDAT D'EMMENER" AGAINST DR. CHRISTIAN EYOUM, a form of order from judge that will bring DR. CHRISTIAN EYOUM in front of prosecutors by police force.

29.29 Kidnapping on FEB. 2023 WHILE WALKING BACK IN MY YAOUNDÉ REAL ESTATE PROPERTY

1. DR. LAURE MENGUENE MVINDI accepts to send 2 thugs-burglars on the road to kidnap myself, while I was walking on street to get back into my house, and to bring me in a cab at psychiatric hospital 'JAMOT' in YAOUNDÉ; this is requested by DOROTHÉE NDJATIÉ SHANDA, spouse pr. shanda–tonme jean–claude.

   DR. LAURE MENGUENE MVINDI is chief of psychiatry staff at psychiatric hospital 'JAMOT' in YAOUNDÉ.

   DR. LAURE MENGUENE MVINDI IS VERY WELL KNOWN IN YAOUNDÉ to say disturbing voices against BAMILEKE-TRIBE, an ethnic group of the west cameroon to which, I by birth, and not by spirit [I AM A BORN AGAIN CHRISTIAN], belong.
2. AFTER 2 WEEKS OF POISONING AND TRYING TO DESTROY MY BODY WITH DRUGS AND PILLS, a yellow clothed (level of BACHELOR OF SCIENCE) gate guard OF "HÔPITAL JAMOT" that I don't remember the name, tries to SNEAK INTO my private life by calling me on my private cell phone number [(+237) 6 52 39 69 50] every other day.

   I SAID TO HIM THAT I DON'T ENTERTAIN RELATIONSHIPS WITH PEOPLE LIKE HIM.

   PS: THIS GATE GUARD, yellow–clothed with an uniform, is of BETI–TRIBE like DR. LAURE MENGUENE MVINDI!
3. S2TBED, a so–called forestry society here in Yaoundé seems to be a secret agency against black–owned societies here in Cameroon.

30.30 Attempt to give me a psy consultation by ROSE SANGNOU's sister DR. ANNIE POKAM-KWAM

AFTER RELEASED FROM 'JAMOT', i stop taking the drugs that i was forced to intake by drink.

Knowing that this is judicial information time, I accept to talk to DR. ANNIE POKAM-KWAM, which is DOROTHÉE NDJATIÉ SHANDA and ROSE SANGNOU sister, by my own request.

My goal is at time to collect as much information as possible.

She (DR. ANNIE POKAM-KWAM) tries to convince me that i should intake psy drugs in order to be more sociable !

31.31 THREAT ON MY PERSON BY ROSE SANGNOU IN JUNE 2023

In June 2023, in its 25th week, a relative, ROSE SANGNOU, living and based in Douala for more than 60 years, comes into Yaoundé, and settle for 1 week at DOROTHÉE NDJATIÉ SHANDA's house, at her (DOROTHÉE NDJATIÉ SHANDA) invite.

ROSE SANGNOU, whom was told, no more to persecute myself, during her interrogation time at prosecutors' office in Douala-Ndokoti, starts calling me increasingly and says she is in Yaoundé because her sister (DOROTHÉE NDJATIÉ SHANDA) son, PATRICE SHANDA SANOU CABRAL, is very ill and hospitalized at Yaoundé general hospital.

ROSE SANGNOU insits that we shall meet because she is my mother. I then accept, but refused to meet up her at my private owned property in Yaoundé-Ahala-Nsimbock. We then meet up first at DOROTHÉE NDJATIÉ SHANDA house, then at supermarket 'supermarché carrefour EKIÉ' in YAOUNDÉ-ÉKIÉ.

THIS PERIOD IS judicial information investigation time, that is mostly why I accepted to meet up with her.

I NOTICE with an impression THAT my mother ROSE SANGNOU COULD HAVE BEEN BRUTALIZED ON HER LEFT KNEE. SHE SAID SHE FELT DOWN IN THE BACK OF HER SISTER'S HOUSE (DOROTHÉE NDJATIÉ SHANDA) because the maid woman SPILLED water with amidon on the floor.

AFTER FINISHING our lunch, my mother ROSE SANGNOU says I SHOULD START AGAIN TO TAKE psychiatric drugs: I IMMEDIATELY STAND UP FROM LUNCH TABLE AND RETURNS TO MY PRIVATELY OWNED PROPERTY, '**immeuble yerith**'.

32.32 MY SUSPISCIONS about real activities of pr. shanda–tonme jean–claude and his wife

SEVERAL TIMES, pr. shanda–tonme jean–claude invited myself to hotel PARFAIT GARDEN in yaoundé so that I COULD SEE HIM ACTING as managing director of expatriate US CITIZEN ELECTRICAL ENERGY COMPANY.

so i suspect pr. shanda–tonme jean–claude receives money from some big giants NORTH–AMERICAN COMPANIES, so to disrupt my activities in the free open source software (FOSS) AREA.

33.33 THREAT ON MY PERSON BY Victor Koliou Noundou IN JULY 2023

PREVIOUSLY. HÔPITAL ADLUCEM, a hospital in Douala–BONAMOUSSADI, that I went with paternal uncle Victor Koliou Noundou to threat a hyperglycemia, established with him (uncle Victor Koliou Noundou) THAT I SHOULD BE BROUGHT USING AN AMBULANCE to 'LAQUINITIE–CABANON' because Dr. MVONDO felt that I am not well behaving !

Victor Koliou Noundou, a brother of my late father Théodore Noumbissi ASKED MYSELF, relentlessly, if I still take the psychiatric drugs.

I need to note here that, WITHOUT ANY APPARENT REASON, another brother of my late father Théodore Noumbissi, Laurent Tchandeu, former minister plenipotentiary, sent A TRUCK WITH 6 firefighters to take me by force from my privately rented apartment in yaoundé, in the year 2015, SO TO BRING ME TO A PSYCHIATRIST OF 'JAMOT': Dr. Kamga.

IN FRONT OF ME, Dr. Kamga SAYS TO Laurent Tchandeu AND ROSE SANGNOU THAT HE CAN'T KEEP ME THERE AT 'JAMOT' BECAUSE I AM NOT A PSYCHIATRIC DISEASED PERSON.

Dr. Kamga ALSO MENTIONS THAT IF I GO TO COURT AGAINST HIM, HE WOULD PUT ALL TROUBLES on ROSE SANGNOU since WHAT SHE SAID TO HIM SO THAT HE SENT A FIREFIGHTER TRUCK to take myself by force from my privately rented apartment is wrong.

Laurent Tchandeu IS TRYING SINCE Théodore Noumbissi, my deceased (JANUARY 9, 1992) father (and chief of the NOUNDOU family), passed away, to sack my POSITION AS CHIEF OF THE FAMILY NOUNDOU:

- IN MAY 2023, politician GRÉGOIRE OWONA, grand-father of MY COUSIN MOTHER SIDE "ANGELA TCHAMOU SHANDA OWONA SPOUSE DR. WOLFGANG FERNAND JR. OWONA", comes with Laurent Tchandeu (and spouse DR. HENRIETTE POLA) in my village BABOUANTOU to open a primary school as gift from political party R.D.P.C (C.P.D.M).

34.34 THREAT ON MY PERSON BY Laurent Tchandeu ON AUGUST 3rd, 2023

DR. Laurent Tchandeu, a paternal uncle of mine, tries to harass myself with taking psychiatric drugs.

HE DID THIS USING TELEPHONY APPLICATION "whatsapp".´

35.35 WAITING FOR judge JUDGE HUGUES ALAIN YAGER MABOMA

JUDGE HUGUES ALAIN YAGER MABOMA SEEMS TO WANT TO destroy evidences against state hospital laquintinie since He (JUDGE HUGUES ALAIN YAGER MABOMA) hasn't call by police force DR. CHRISTIAN EYOUM to come answer allegations against him about TRYING TO KILL ME with psychiatric drugs at night after HIJACKING MY PRIVATE PROPERTY IN DOUALA-CITÉ-DES-PALMIERS !

36.36 ARMY GENDARMERIE COLONEL KÉMAJOU harasses ROSE sangnou my mother

ROSE SANGNOU, my mother, complained to myself that KÉMAJOU is calling her very frequently to tell her I (PROF. DR.–ING. DIPL.–INF. XAVIER ~~noumbissi~~ NOUNDOU) is not mentally sane since HE is doing a lot of christian cross–sign while walking on Yaoundé streets.

37.37 ARMY GENDARMERIE COLONEL KÉMAJOU destroying my life as a neighbor

A FORMER SED (SÉCRÉTARIAT D'ÉTAT À LA GENDARMERIE) retired colonel of cameroon gendarmerie, who has spying devices AT HOME TO HEAR PHONE, OR WHATSAPP conversations; MAKES CURRENT ELECTRICITY cut–off whenever I RECEIVE MONEY so I cannot cook and refrigerate my food properly.

THIS VERY POOR PERSON, both in spirit and financially; whose wife makes money out of cooking food for street workers, COULD SUCCESSFULLY intimidate people not to come attend work or anything else into my real estate properties.

COLONEL (retired) of Army Gendarmerie KÉMAJOU couldn't lie and convince people that I DON'T POSSESS A Ph.D in Computer Engineering; since his son "Jonas Kémajou" who he also in gendarmerie told me once: "Myself I also POSSESS A Ph.D QUALIFICATION WITH NO DEGREE AT HOME" !

I am wondering in Cameroon why army intermediates in civilian life and affairs; THIS DOESN'T HAPPEN usually in rich and developed countries like Germany.

This day of **Saturday November** 18, 2023; while I was talking to a computer technician neighbor named Gabriel Takoumbe, KÉMAJOU came along walking with an indigo "Garde Présidentielle (special unit of cameroon forces attached only for the President of The Republic.)" T-shirt.

COLONEL kemajou tells me HE WANTS MY PERSON NOT TO WRITE anymore on his forfeitures against myself; in front of at least 7 young men and women, saying He didn't call my genitor mother any day before.

COLONEL kemajou sect named JÉRUSALEM APOSTOLAT, sacks every public entry road to my real estate 2–storey building (unfinished yet).

Yves Landry Galax ETOGA, chief of secret services of Cameroon seems to like to try harassing competent professors of science and technology like myself. May be He works against CAMEROONIAN SKILLED ORPHANS like my humble person in JEOVAH–NISSI in heaven !

PROF. DR. RER. NAT. HABIL. JAN PELESKA and DR. PATRICK LAM have never said anything against what is happening to myself since 3 years ago; ALSO, Patrick is a member of Rotarian organization ROSICRUCIARY !

"29" November **2023**: **I HAVE RENOUNCED TO AN ATTORNEY since TCHANA NJEUTCHA Synclaire is clearly going against my personal interests !**

"03" December **2023**: **KEMAJOU and its troops that call themselves Christians ARE HARASSING PEOPLE COMING HOME.**

"04" December **2023**: **I cannot recognized Cameroon where someone high qualified by myself is permanently harassed physically by illegal neighbors like KEMAJOU gendarmerie colonel Criminal.**
KEMAJOU gendarmerie colonel tries on the street to talk to myself while I am coming back from a hardware shop.
It seems to myself that illegal neighbors religious sect "Jerusalem Apostolat" is trying to make confusion about my humble person wherever I go in my life; Kemajou gendarmerie colonel has tried around my neighborhood, with help of SECTARIAN OF JERUSALEM APOSTOLAT; to make noise that XAVIER ~~noumbissi~~ noundou IS A PSYCHIATRIC PATIENT that doesn't want to take pills !

38.38 THREAT ON MY PERSON BY ROSE SANGNOU IN JANUARY 2024

ROSE SANGNOU, despite that JUDGE HUGUES ALAIN YAGER MABOMA gave her prohibition to come to my home in Yaounde during year 2023, came by force with someone that I don't know whereabouts To my neighbor "CARINE LELE njougep tchana" To incriminate her about chairs she owns by now;

I destroyed chairs that were not in good shape last year from my humble home by throwing them away outside. It seems "CARINE LELE njougep tchana" put them in her personal home without asking myself since I just threw them away; which is normal since They don't belonged to me anymore !

"30" January **2024**: It seems my genitor mother ROSE SANGNOU went to talk to gendarmerie people so they could harass myself to go for an illegal psychiatric treatment; because while I was talking to Justice "ME. ANDRÉ Mbet" today, I saw 1 gendarmerie man came into his personal office where he also, with his wife, Owns a financial transaction center.

I immediately told Justice "ME. ANDRE Mbet" about this attitude of gendarmerie people coming inside where I perform businesses to make some kind of visual and gesture signs to owners of businesses, So they wouldn't deal with myself anymore !

"24, 25" ***April*** **2024**: 1 man wearing a talkie-walkie came across my personal road in Simbock YDE.

I went to talk to him since I was looking for a technician that didn't finish a work in my humble house. For 6 days now, this technician wasn't in my house anymore despite myself telling him to finish his work on my steel door.

I suspect again ***justice ("huissier") SHANDA-DJATIE and her spouse Pr. JEAN–CLAUDE shanda-tonme*** to harass my genitor and mother Rose SANGNOU to try to bring myself by force to a psychiatric destructive mind place.

JERUSALEM–APOSTOLAT rosicrucian sect tried to follow myself these last 2 days using the brigand 'Moise BATOMEN', and another person male, THAT i don't know whereabouts but that live behind "Carine Lele Njougep Tchana" house for at least 6 months from now backwards in time !

Just 1 month before, I was stopped from walking by to our main official road by a sectarian female of Jerusalem–APOSTOLAT. I now see that it was meant to bring myself to other roads were they don't have their own people on it, so they could hijack myself properly to bring by force to a psychiatric hospital so to try to deteriorate my physical and psy body.

39.39 SHANDA SANOU patrice cabral idiot son of Dorothée Shanda Owona passes away at age 33 (March 18, 2024)

"Dorothée Shanda Owona" who had tried to make myself sodomized "by Bertrand of Laquintinie" in Feb. 2021, illegally by police force.

SHE leaves now her son out of life after 3.5 years trying to destroy my life; Probably because she got some laundry money for this dirty task against A BORN-AGAIN–CHRISTIAN !

NONE of the people I have heard from coming back "from some kind of obituary ceremony" could even see any corpse of ATTORNEY OF LAW, deceased, Patrick Cabral SHANDA SANOU !

40.40 Dr. Annie Metiam, Spouse Eric-POKAM-WAM tries to say something illegally about my mental health publicly (May 23, 2024)

A sister of my mother and genitor ROSE SANGNOU, DR. ANNIE POKAM-KWAM, sends a RECORDED AUDIO MESSAGE via whatsapp-phone–android–application, without any request from "Rose Sangnou" and / or my person about a supposed mental health abilities report that She as GASTROENTEROLOGIST has wrote based on our investigation whatsapp call that was done in year 2023 during around the month of JUNE.

This retarded personage that was initially at "Alfred Saker School" oriented to perform Commerce AND Accounting, WITH A grade of 10.00/20 is an idiot; Not just because *she doesn't even have a "degree of Doctor of Medicine (Dr. med.)"*.

This happens unsolicited as I am having a talk together with "Rose Sangnou"; AND "PASTOR marco OF Pentecostal Christian CHURCH" ' 'chapelle de la gloire de christ" in DLA.

I AM SUSPICIOUS of this corrupt C.P.D.M aunt that has german citizenship to be from Central Intelligence Agency (CIA); hired specially to try to kill me by any means; even using sorcery.

41.41 YAGER MABOMA is an idiot of justice judge here in CMR

Since 2021, February that I have complaint for a group of harassers that came into my compound to brutalize myself in front of a so called judge of instruction from sawa tribal tribe, I STILL RECEIVE PEOPLE TRYING TO AGGRESS and Harass myself.

42.42 I–xavier–went on roads to shout That I required JUSTICE for my saved life by SYNCLAIRE NJEUTCHA TCHANA

- *Wednesday 28th of JUNE 2024:*

Synclaire NJEUTCHA TCHANA was sodomized both physically and mentally to release myself as a client, So I will go in front of a judge without the initial attorney I have chosen myself.

I went to road "in AHALA–simbock" to shout at populace that I MUST HAVE JUSTICE DONE against people who broke my gate in the night of FEBRUARY 2023 to kill me with psy–drugs involuntarily.

Politics is going on thoroughly because the year 2025 must released a president of the republic of cameroon !

43.43 YAGER MABOMA has sent my documents to Attorney–prosecutor

- *SATURDAY 31th of AUGUST 2024:*

I hope I can finish this matter without a judge that has been sodomized by "BIYA–clique".

"Synclaire NJEUTCHA TCHANA" said to myself on my cell phone that I sent to him at least 2 other attorneys of law so to replace him; Which is FALSE.

"Synclaire NJEUTCHA TCHANA" has received money from PAUL-biya.

""Tchonang albertine" is now the person I asked for, for assistance."

"I received this name and contact from my friend and customer "HAPPINESS POTENTIAL SARL" based in Akwa–douala ! "

44.44 Police of AHALA – 19ème arrondissement harassing myself because of SHANDA–tonme

- ***Friday* 6*th* *of September* 2024*:***

“***NESTOR kenfack tries to talk to my genitor and adversary ROSE–Sangnou without asking anything to myself.***“

“***ROSE-idiot sangnou went to give certain objects to ”NESTOR and VALÉRIE kenfack” that are supposed to be my sole customers and friends; Without any intermingled relationship with ROSE–sangnou since I told both of them THAT I am not interested into talking with someone who has tried to kill myself.***“

“***I KNOW that it is C.P.D.M that went to give money to these burglars (”NESTOR” & ”VALÉRIE”) so they will try to intervene against my interests when court justice comes AS this has been the case with my personal attorney of law the culprit ”SYNCLAIRE NJEUTCHA TCHANA”.***“

SCIENTIFIC PRESENTATION TALKS 1

- MAY 2007; STATISTICAL TEST CASE GENERATION FOR REACTIVE SYSTEMS, MASTER'S DEGREE THESIS DEFENSE TALK, DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE (FB 3), UNIVERSITY OF BREMEN, BREMEN, GERMANY

- NOVEMBER 2010; STATICALLY VERIFYING API USAGE RULES USING TRACEMATCHES, 9th Workshop on Compiler-Driven Performance, CASCON 2010, Hilton Suites Toronto/Markham Conference Centre, MARKHAM, ONTARIO, CANADA

- DECEMBER 2011; TEMPORAL PROPERTY VERIFICATION IN PLUGIN–based SOFTWARE, PH.D. THESIS EXAMINATION COMPREHENSIVE !, DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING, UNIVERSITY OF WATERLOO, ONTARIO, CANADA

- April 2014; CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM, ECE GRAD TALK, DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING, UNIVERSITY OF WATERLOO, ONTARIO, CANADA

- JANUARY 2015; CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM, PROGRAMMING LANGUAGES SEMINAR, DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE, UNIVERSITY OF WATERLOO, ONTARIO, CANADA

- JANUARY 2016; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; sns cameroon ltd (Mr. DIVINE Njobati); YAOUNDE; CENTER; CAMEROON

- JANUARY 2016; YERITH–ERP–3.0–STANDALONE for commerce; best car care & services (Mr. HENRI ngatchou); DOUALA; LITTORAL; CAMEROON

- MAY 2016; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; snob bazar outlet stores (Mr. LAVOISIER); YAOUNDE; CENTER; CAMEROON

- JUNE 2016; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; expert3dev s.a.r.l (Mr. Momo); YAOUNDE; CENTER; CAMEROON

- JANUARY 2017; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE TRAINING COMMERCIAL; bilingual entente bookshop (Mr. JACQUES); YAOUNDE; CENTER; CAMEROON

- JUNE 2017; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; BLACK & WHITE snack bars (Mr. TOM & Mr. AURÉLIEN iloga iloga (ecobank poste centrale yaoundé)); YAOUNDE; CENTER; CAMEROON

- SEPTEMBER 2017; YERITH–ERP–3.0–STANDALONE for COMPUTER INFORMATICS ENGINEERING TRAINING; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; IUC [Institut Universitaire de la Côte] (Mr. HYPOLITHE Tekeu); DOUALA; LITTORAL; CAMEROON

- JUNE 2018; YERITH–ERP–3.0–STANDALONE; SOFTWARE DESIGN AND INTRINSICS TALKS; Dr. SANDY beidu; Dr. ERIC brefo-mensah; WATERLOO; ON; CANADA

- SEPTEMBER 2018; YERITH–ERP–3.0–STANDALONE for CROWD FUNDING REQUEST PROPOSAL; SOFTWARE DESIGN AND INTRINSICS PRESENTATION (for "MS WINDOWS"); BAFIASOFT (Mr. CHRISTIAN rikong ngueyong); WATERLOO; ON; CANADA

- MAY 2020; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; coplatec s.a.r.l (Mr. CONSTANT Kemmogne); DOUALA; LITTORAL; CAMEROON

- JANUARY 2021; YERITH–ERP–3.0–STANDALONE for commerce and drugstore selling; SOFTWARE TRAINING COMMERCIAL; pharmacy fiango lycée MAKÊPÈ (Dr. PETER Akume Ngoe); DOUALA; LITTORAL region; CAMEROON

- FEBRUARY 2021; YERITH–ERP–3.0–STANDALONE for commerce and INDUSTRIAL logistics; SOFTWARE TRAINING COMMERCIAL; bontée s.a.r.l (Ms. ARLETTE Sibeufo); DOUALA; LITTORAL region; CAMEROON

- MARCH 2021; YERITH–ERP–3.0–STANDALONE for commerce and PRODUCTION planing; SOFTWARE DESIGN AND INTRINSICS PRESENTATION; CROQUE–MATIN (Mr. MOUSSA Saliou); DOUALA; LITTORAL region; CAMEROON

- JUNE 2021; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE TRAINING COMMERCIAL ("MS WINDOWS 2000"); elektro makêpè (Mr. ARMSTRONG); DOUALA; LITTORAL region; CAMEROON

- JULY 2021; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE TRAINING COMMERCIAL; établissement kenfack (Mr. KENFACK); DOUALA; LITTORAL region; CAMEROON

- SEPTEMBER 2021; YERITH–ERP–3.0–STANDALONE for commerce, AND client relationship management; SOFTWARE TRAINING COMMERCIAL; clinique de l'espérance (Mr. YVES Mogo); DOUALA; LITTORAL region; CAMEROON

- OCTOBER 2021; YERITH–ERP–3.0–STANDALONE for commerce, AND client relationship management; SOFTWARE TRAINING COMMERCIAL; pctb s.a.r.l (Dr. AIMÉE FRANCIS Ngadjeu Tchana); DOUALA; LITTORAL region; CAMEROON

- NOVEMBER 2021; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE TRAINING COMMERCIAL; quincailerie la confiance (Mr. AIMÉE); YAOUNDE; CENTER region; CAMEROON

SCIENTIFIC PRESENTATION TALKS 2

- NOVEMBER 2021; YERITH–ERP–3.0–STANDALONE for commerce; SOFTWARE TRAINING COMMERCIAL; quincailerie n.k. (Mr. NESTOR Kenfack); YAOUNDE; CENTER region; CAMEROON
- JANUARY 2022; YERITH–ERP–3.0–STANDALONE for commerce, AND client relationship management; SOFTWARE TRAINING COMMERCIAL; happiness potential s.a.r.l (Mr. FABRICE Siemeni); DOUALA; LITTORAL region; CAMEROON
- JANUARY 2022; YERITH–ERP–3.0–STANDALONE for commerce, AND client relationship management; SOFTWARE TRAINING COMMERCIAL; pctb s.a.r.l (Dr. AIMÉE FRANCIS Ngadjeu Tchana); DOUALA; LITTORAL region; CAMEROON
- JUNE 2022; YERITH–ERP–3.0–STANDALONE for commerce; AND networked installations; quincailerie aimée (Mr. AIMÉE); YAOUNDE; CENTER region; CAMEROON
- SEPTEMBER 2022; YERITH–ERP–3.0–STANDALONE for commerce; AND commercial financial accounting; poissonnerie plus (Mr. NESTOR Kenfack); YAOUNDE; CENTER region; CAMEROON
- May 2023; YERITH–ERP–3.0 BRIEF SCIENTIFIC AND TECHNICAL PRESENTATION; ÉCOLE POLYTECHNIQUE DE YAOUNDÉ - ENSPY (PROF. DR.-ENG. THOMAS NDIÉ DJOTIO); Yaoundé; CENTER region; CAMEROON
- August 2023; YERITH–ERP–3.0–SERVER TRAINING; happiness potential sarl (DIPL.–ING. (FH) DR. FABRICE WILFRIED SIEMENI, M.Sc); Douala; LITTORAL region; CAMEROON
- December 2023; YERITH–ERP–3.0–SERVER financial accounting SHORT PRESENTATION VIEW DEMONSTRATION; quincaillerie aimée sarl (Ms. CHRISTELLE spouse NAMEKONG, B.SC.); Yaoundé; CENTER region; CAMEROON
- May 2024; YERITH–ERP–9.0 VERY SHORT INFORMATION SESSION; happiness potential s.a.r.l (Mrs. Hecna Ngayam) ; Douala; Littoral region; CAMEROON
- May 2024; YERITH–ERP–3.0–FOSS SHORT INFORMATION SESSION FOR COMMERCE; Mr. Hilaire Yimdjo, B.Sc. in Computer Science (entrepreneur in car care and management); Douala; Littoral region; CAMEROON
- June 12, 2024; YERITH–ERP–9.0 SHORT INFORMATION SESSION FOR COMMERCE; Mr. Nestor Kenfack (entrepreneur in hardware shop and grocery store); Yaoundé; CENTER region; CAMEROON
- June 13, 2024; YERITH–ERP–9.0 Installation hardware checks; Mr. Nestor Kenfack (entrepreneur in grocery store); Yaoundé; CENTER region; CAMEROON

PUBLICATIONS – Universities (I)

April 2004 – **May** 2007; **AGBS, UNIVERSITY OF BREMEN, BREMEN, GERMANY**

1. **A SEMANTIC COMPARISON BETWEEN BÜCHI AUTOMATA AND TIMED AUTOMATA**,
   INDEPENDENT STUDY, UNIVERSITY OF BREMEN, GERMANY, **JANUARY** 2005,
   ADVISED BY PROF. DR. RER. NAT. HABIL. JAN PELESKA.
2. **STATISTICAL TEST CASE GENERATION FOR REACTIVE SYSTEMS**,
   MASTER'S DEGREE IN COMPUTER SCIENCE THESIS, UNIVERSITY OF BREMEN, **MAY** 25, 2007,
   ADVISED BY PROF. DR. RER. NAT. HABIL. JAN PELESKA, AND
   PROF. DR. PHIL. NAT. ROLF DRECHSLER.

OCTOBER 2009 – MARCH 2015; **WatForm, UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA**

1. *JUNIT 4 TUTORIAL* (https://www.zenodo.org/record/8052444/) , UNDERGRADUATE COURSE
   LECTURES NOTES
   'SOFTWARE TESTING, QUALITY ASSURANCE AND MAINTENANCE',
   UNIVERSITY OF WATERLOO, ONTARIO, CANADA, **OCTOBER** 31, 2009,
   ADVISED BY ASSOCIATE PROFESSOR PATRICK LAM.
2. *TEMPORAL PROPERTY VERIFICATION IN PLUGIN–BASED SOFTWARE*,
   PHILOSOPHY DOCTOR (PH.D.) DISSERTATION, (https://www.semanticscholar.org/paper/Temporal-Property-Verification-in-Plugin-based-Noundou/c68c2374b1dca17edab774ee8a1d09b015f29b33)
   UNIVERSITY OF WATERLOO, ONTARIO, CANADA, **DECEMBER** 20, 2011,
   ADVISED BY ASSOCIATE PROFESSOR PATRICK LAM.
3. *DYNAMIC TAINT ANALYSIS FOR PHP IN QUERCUS* (https://www.zenodo.org/record/8051621/)
   (git https://www.github.com/xnoundou/xresin-taint-analysis ; git https://www.github.com/xnoundou/xresin-taint-analysis-tests),
   PH.D. GRADUATE COURSE PROJECT 'program analysis of web apps',
   UNIVERSITY OF WATERLOO, ONTARIO, CANADA, **APRIL** 30, 2013,
   ADVISED BY FULL PROFESSOR FRANK TIP.
4. *CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM* (https://www.zenodo.org/record/8051293) ,
   POST–DOCTORAL PH.D. GRADUATE WORK,
   UNIVERSITY OF WATERLOO, ONTARIO, CANADA, **MARCH** 10, 2015,
   ADVISED BY ASSOCIATE PROFESSOR PATRICK LAM.
5. *CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM TOOL USER'S GUIDE* (https://www.zenodo.org/record/8051299) ,
   POST–DOCTORAL PH.D. GRADUATE WORK artifact,
   UNIVERSITY OF WATERLOO, ONTARIO, CANADA, **MARCH** 10, 2015,
   ADVISED BY ASSOCIATE PROFESSOR PATRICK LAM.

PUBLICATIONS – YERITH R&D (in English language) (II)

1. YERITH R&D BUSINESS plan in FRENCH–cameroonian language, https://www.zenodo.org/record/YRITOENTERlaterOn, RELEASE DOCUMENT COMMERCIAL TECHNICAL, YERITH R&D, XAVIER noumbissi NOUNDOU, CAMEROON, **October** 16, 2024.
2. Concepts around real–time trading for physical and / or virtual stocks with software system: **YERITH–ERP–9.0–TRADING–REALTIME**, HTTPS://WWW.ZENODO.ORG/RECORD/YRITOENTERLATERON, RELEASE DOCUMENT COMMERCIAL TECHNICAL, YERITH R&D, XAVIER NOUMBISSI NOUNDOU, CAMEROON, **SEPTEMBER** 16, 2024.
3. **Runtime Verification Of SQL Correctness Properties with YRI–DB–RUNTIME–VERIF**, journal article in preparation, XAVIER noumbissi NOUNDOU, CAMEROON, **August** 2023.
4. **Compendium of Documents About the Design and Testing System *YERITH_QVGE* (YRI_QVGE[12.12])**, https://www.zenodo.org/record/8382027, RELEASE DOCUMENT COMMERCIAL TECHNICAL, YERITH R&D, XAVIER noumbissi NOUNDOU, CAMEROON, **June** 2023.
5. **YERITH–ERP–3.0 DOCTORAL COMPENDIUM**, https://www.zenodo.org/record/8052724/, DOCTORAL COMPENDIUM, YERITH R&D, XAVIER noumbissi NOUNDOU, CAMEROON, **may** 2022.
6. **ADVANTAGES OF YERITH–ERP–9.0–platinum COMPARED TO OTHER TOP ERP SOFTWARE-SYSTEMS**, TECHNICAL REPORT, YERITH R&D, XAVIER noumbissi NOUNDOU, CAMEROON, **MARCH** 2021.
7. **INFORMATION BROCHURE OF ERP SOFTWARE-SYSTEM YERITH–ERP–9.0–platinum**, TECHNICAL REPORT, YERITH R&D, XAVIER noumbissi NOUNDOU, CAMEROON, **MARCH** 2021.
8. **IN–GROUPED PRESENTATIONS DOCUMENTS OF ERP SOFTWARE YERITH–ERP–9.0–platinum**, TECHNICAL REPORT, YERITH R&D, XAVIER noumbissi NOUNDOU, CAMEROON, **MARCH** 2021.
9. **YERITH–ERP–9.0–platinum SOFTWARE SYSTEM PRODUCT SHEET**, TECHNICAL REPORT, YERITH R&D, XAVIER noumbissi NOUNDOU, CAMEROON, **MARCH** 2021.
10. **INSTALLATION GUIDE FOR ERP SOFTWARE–SYSTEM YERITH–ERP–9.0–platinum**, https://www.zenodo.org/record/8060182/, TECHNICAL REPORT, YERITH R&D, XAVIER noumbissi NOUNDOU, CAMEROON, **MARCH** 2021.
11. **YERITH–ERP–9.0–platinum RECOMMENDED POINT–OF–SALE HARDWARE**, TECHNICAL REPORT, YERITH R&D, XAVIER noumbissi NOUNDOU, CAMEROON, **MARCH** 2021.
12. **SOFTWARE SYSTEM ARCHITECTURE OF YERITH–ERP–3.0**, TECHNICAL REPORT, YERITH R&D, XAVIER noumbissi NOUNDOU, CAMEROON, **JULY** 2022.
13. **YRI–DB–RUNTIME–VERIF: a framework for verifying SQL software correctness properties of gui software at runtime**, CONFERENCE article in submission, XAVIER noumbissi NOUNDOU, CAMEROON, **February** 2023.

PUBLICATIONS – YERITH R&D (en langue française) (III)

1. **YERITH–ERP–PGI–3.0 : Configuration MULTI–SITES (SUCCURSALES)**, https://www.archive.org/download/yerith-erp-multi-sites-base-de-donnees/YERITH-ERP_multi_sites_base_de_donnees.pdf,
Configuration MULTI–SITES (SUCCURSALES), YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROON, **mars** 2023.

2. **RAPPORT DE TRAVAUX SUR LE PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–3.0 (années 2015–2022)**, https://www.zenodo.org/record/8051568/,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **OCTOBRE** 2022.

3. **YERITH–ERP–3.0 DOCTORAL COMPENDIUM**, https://www.zenodo.org/record/8052724/,
DOCTORAL COMPENDIUM, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MAI** 2022.

4. **BRÈVE PRÉSENTATION DU PROGICIEL DE GESTION INTÉGRÉ (PGI) YERITH–PGI–3.0**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **SEPTEMBRE** 2022.

5. **BROCHURE DE GESTION COMMERCIALE**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **OCTOBRE** 2021.

6. **AVANTAGES D'UTILISATION DE L'INFORMATIQUE POUR LA GESTION DE STOCKS**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **AVRIL** 2021.

7. **AVANTAGES DE YERITH–PGI–9.0–platinum COMPARATIVEMENT À SAGE GESCOM I7, ET À SAP BUSINESS ONE**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

8. **BROCHURE D'INFORMATION DU PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0–platinum**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

9. **DOCUMENT COMBINANT LES PRÉSENTATIONS DE YERITH–PGI–9.0–platinum**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

10. **FICHE DE DONNÉES DU PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0–platinum**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

11. **GUIDE D'INSTALLATION POUR LE PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0–platinum**, https://www.zenodo.org/record/8060217/,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

12. **GUIDE PRATIQUE DU LOGICIEL DE GESTION COMMERCIALE ET FINANCIÈRE YERITH–PGI–9.0–platinum**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

14. **MATÉRIEL INFORMATIQUE RECOMMANDÉ POUR LE POINT-DE-VENTE YERITH–PGI–9.0–platinum**,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **MARS** 2021.

15. **GUIDE DE L'UTILISATEUR 'MANAGER', PROGICIEL DE GESTION INTÉGRÉ YERITH–PGI–9.0–platinum**, https://www.zenodo.org/record/8058259/,
RAPPORT INTERNE DE TRAVAIL, YERITH R&D, XAVIER ~~noumbissi~~ NOUNDOU, CAMEROUN, **JUIN** 2018.

FORMER CIVIL ADDRESSES – CANADA

I HAVE LIVED AT ALL THE FOLLOWING ADDRESSES AS A CAMEROON CITIZEN, AND ADDITIONALLY as a permanent resident of canada (FROM YEAR 2005 - 2014) !

I acquired a canadian citizenship in August 2014 ***(because I couldn't fly freely into Europe without visa application as a Cameroon citizen.)*** !

I RENOUNCED solemnly THIS CANADIAN CITIZENSHIP, in front of judge at the "Waterloo Region Courthouse (85 Frederick St., Kitchener, ON N2H 0A7, Canada)" IN SEPTEMBER 2018 !

THE JUDGE SAID I COULD PAY FOR THE TRANSCRIPTS to be send to cameroon ambassy in Ottawa; BUT I COULDN'T AFFORD for IT !

I THEN DEFINITELY and forever ABANDONED CANADA and ONTARIO for Cameroon in September 2018 !

1. LANDLORD !
   XAVIER ~~noumbissi~~ NOUNDOU
   C/O THÉODORE NGONGANG WANDJI
   5850 RUE SOUART # 7
   H3S 2E8 MONTREAL, QC
2. LANDLORD john guldemond, anna guldemond
   XAVIER ~~noumbissi~~ NOUNDOU
   391B CHURCHILL CRT
   N2L 6B4 WATERLOO, ON
3. LANDLORD mike
   XAVIER ~~noumbissi~~ NOUNDOU
   186 CORRIE CRESCENT
   N2L 5W4 WATERLOO, ON
4. LANDLORD Northview Fund
   XAVIER ~~noumbissi~~ NOUNDOU
   457 ALBERT STREET, APT 16
   N2L 5A7 WATERLOO, ON
5. LANDLORD !
   XAVIER ~~noumbissi~~ NOUNDOU
   88 GLENBURN DRIVE
   N2L 5K1 WATERLOO, ON
6. LANDLORD anna and spouse
   XAVIER ~~noumbissi~~ NOUNDOU
   310 HIAWATHA DRIVE
   N2L 5H5 WATERLOO, ON
7. LANDLORD anna and spouse
   AS canadian citizen; XAVIER ~~noumbissi~~ NOUNDOU
   310 HIAWATHA DRIVE
   N2L 5H5 WATERLOO, ON
8. LANDLORD erick djeuyou pokem !
   AS canadian citizen; XAVIER ~~noumbissi~~ NOUNDOU
   C/O erick djeuyou pokem
   5738A rue Hochelaga
   H1N 1W3 Montreal, QC

FORMER CIVIL ADDRESSES – GERMANY

I HAVE LIVED AT ALL THE FOLLOWING ADDRESSES AS A CAMEROON CITIZEN, AND ADDITIONALLY as a STUDENT AT THE UNIVERSITY OF BREMEN (FROM YEAR 2001 - 2007).

I HAVE BEEN WORKING AS a "software entwickler (junior)" at **SIEMENS HEALTHINEERS (OCS)** until 2009 !

1. **"UNIVERSITÄT BREMEN"**
   XAVIER ~~noumbissi~~ NOUNDOU
   C/O THÉODORE NGONGANG WANDJI
   LEOBENER STRASSE 4
   28359 BREMEN
2. **LANLORD "GEWOBA"**
   XAVIER ~~noumbissi~~ NOUNDOU
   C/O TAALY MARCELLIN
   GUSTAV–HEINEMANN-STRASSE 71
   28359 BREMEN
3. **LANLORD "GÜNTHER SPREEN"**
   XAVIER ~~noumbissi~~ NOUNDOU
   ACHTERBERGSTR. 9
   28219 BREMEN
4. **LANLORD "ULA QUERFÜRTH"**
   XAVIER ~~noumbissi~~ NOUNDOU
   MATHILDENSTR. 41
   ! NÜRNBERG

BANK ACCOUNTS

Cameroon

1. **EXPRESS UNION YAOUNDE–AHALA**: Savings Only Account.:
   SHE (Ms. NGONO), that I couldn't close it: I have to leave it as a dormant closed bank account.

2. **AFRILAND–FIRST BANK HIPPODROME–YAOUNDE**: Checking **DORMANT** Account.:
   I asked for this account to be totally closed in year 2017 with no apparent success; I don't know why.

Outside Cameroon: IN CANADA–Ontario

1. **HSBC UPTOWN WATERLOO**; EURO Savings Account.:
   I couldn't close it because I was still inside Canada: So I still need it until I definitively and forever leave NORTH AMERICA !

   So I would be glad they close it for myself, without any other mentions that is not in my favor in case I need again such an account elsewhere in the world, outside of Canada.

   CANADA WAS A DISGUSTING PLACE TO LIVE FOR ME AS A BLACK AFRICAN DESCENDANT.

REAL ESTATES POSSESSIONS

I OWN alone 2 **LAND PROPERTIES with land title certificate IN CAMEROON (**1 **in douala, and** 1 **in yaoundé)** !

1. DOUALA: **LAND TITLE CERTIFICATE nr.** 14 000**, volume** 117**, WOURI** 5**, béedi–kounghi located IN CITÉ–DES–PALMIERS_HAUTE–TENSION_BÉEDI !**
   THERE ARE THREE 3**–bedrooms APARTMENTS OF EACH around** 135 **m**^{2} **of AREA.**
   I HAVE INHERITED (JANUARY 8**,** 1992**) THIS LAND from late computer PROGRAMMER ANALYST THÉODORE noumbissi (born on APRIL** 01**,** 1956 **in OBALA, center–region), my birth–giver on planet earth !**

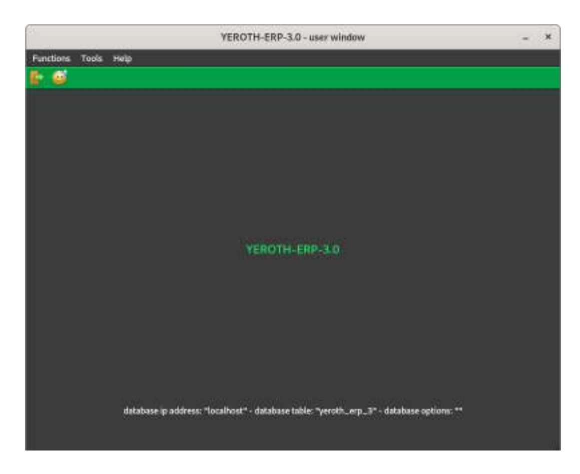
2. YAOUNDÉ (named IMMEUBLE YERITH): **LAND TITLE CERTIFICATE nr.** 560 792**, volume** 265**, MFOUNDI VI (6), Nsimbock–AHALA located IN Nsimbock–AHALA_FACE_ENTREE-ETOA-DERRIERE–savonnerie_NOSA !**
   THERE ARE 2 2**–bedrooms APARTMENTS OF EACH around** 105 **m**^{2} **of AREA.**
   THE GROUND LEVEL IS FINISHED; missing, because of funding, is 4 **supplemental** 2**–BEDROOMS apartments as planed from UNDERGROUND LEVEL !**
   I HAVE BOUGHT THIS LAND, IN NOVEMBER 2012 **(in front of asserted public notary ME. FRANCOIS–XAVIER MENYE ONDO), from cameroon national assembly parliament member; AND vice–president hon. THÉODORE datouo (FROM WEST–REGION; village BANGOU) !**

   ASSERTED PUBLIC NOTARY ME. FRANCOIS–XAVIER MENYE ONDO, has offices at "IMMEUBLE DU CRÉDIT FONCIER DU CAMEROUN (CFC)" !

YERITH–CONSULTING : Description De La Structure

YERITH–CONSULTING **est un cabinet de développement et de consulting du PROGICIEL DE GESTION INTÉGRÉ (PGI; ERP en anglais) "**YERITH–PGI–3.0**" situé :**

1. juste à l'entrée de la ville de "YAOUNDÉ";
2. aux alentours de "BARRIÈRE";
3. face de l'entrée du quartier "etoa";
4. À L'IMMEUBLE YERITH!



La fenêtre d'accueil de YERITH–PGI–3.0

YERITH–CONSULTING **a le personnel suivant** :

1. PRÉSIDENT DIRECTEUR GÉNÉRAL ("Xavier Noundou (Pr. Prof. Dr.–Ing.)")
2. 2 développeurs d'applications C++, MySQL, Qt5.15
3. 2 développeurs de tests unitaires C++, MySQL, Qt5.15
4. 1 testeur manuel d'application Qt5
5. 1 rédacteur technique LaTex, LibreOffice.

YERITH–CONSULTING **est aussi** 1 **incubateur de tech–entrepreneurs.**



La fenêtre des marchandises

FINANCEMENTS POUR LA MISE EN PLACE DU GROUPE YERITH$_{r\&d}$:

1. "Xavier Noundou (Pr. Prof. Dr.–Ing.)" .

OPÉRATIONS

Matériels Point–de–Vente

✓ Lecteur de code–barres, etc.



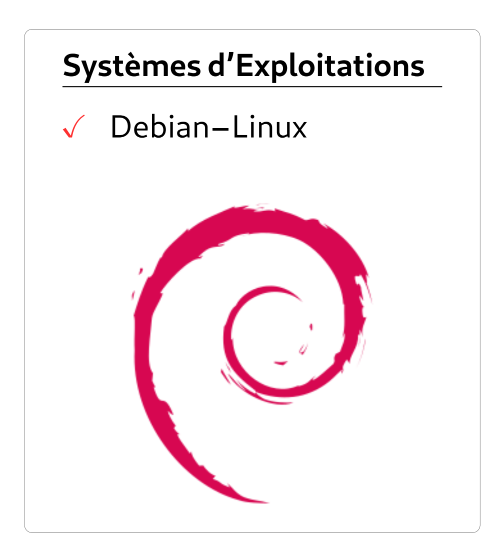
Systèmes–de–Gestion de Base–de–Données

✓ MySQL



Systèmes d'Exploitations

✓ Debian–Linux



YERITH–CENTRE DE FORMATION INFORMATIQUE : Description Du Projet De Centre de formation en Informatique

YERITH–CENTRE DE FORMATION INFORMATIQUE **est un institut de formation qualifiante en informatique situé** :

1. juste à l'entrée de la ville de "YAOUNDÉ" ;
2. aux alentours de "BARRIÈRE" ;
3. face de l'entrée du quartier "etoa" ;
4. À L'IMMEUBLE YERITH !



Vue d'ensemble face immeuble YERITH.

YERITH–CENTRE DE FORMATION INFORMATIQUE **comportera dans** 1 **premier temps d'**1 **salle de formation de** 27 **m**^{2} **de superficie. Elle sera comme suit** :

Table 1 – MATÉRIELS INFORMATIQUES RE–PROPOSÉS

QUANTITÉS	MATÉRIELS
1) 1	climatiseur portatif
2) 1	table ovale de conférence
3) 1	tableau blanc avec marqueurs indélébiles
4) 2	vidéoprojecteurs
5) 8	chaises en fer
6) 1	routeur Wifi MARQUE NXP-300
7) 2	MULTI–USER Terminal **NC–**300 de "http://www.savingology.com"
8) 2	ordinateurs-PC
9) 6	écrans plats d'ordinateurs
10) 6	souries d'ordinateurs PS / 2
11) 6	claviers d'ordinateurs PS / 2



Vue de la salle de 27 m^2.

YERITH–CENTRE DE FORMATION INFORMATIQUE **a le personnel suivant** :

1. P.D.-G. ("Xavier Noundou (Pr. Prof. Dr.–Ing.)"),
2. gardien et / ou agent d'entretien.

Chantier de construction

Vue intérieure du 2ème portail manquant.



Vue intérieure de l'entrée secondaire de la salle 1 **de** 27 **m**^{2}**.**



Vue intérieure du portillon de l'entrée.



YERITH–SUPÉRETTE : Description du Projet De Supérette

YERITH–SUPÉRETTE **est une supérette située** :

1. juste à l'entrée de la ville de "YAOUNDÉ";
2. aux alentours de "BARRIÈRE";
3. face de l'entrée du quartier "etoa";
4. À L'IMMEUBLE YERITH!



La fenêtre d'accueil pour le « Caissier »

YERITH–SUPÉRETTE **est une supérette de** 30 **m**^{2} **de superficie. Elle sera équipée des aliments et des articles comme suit** :

1. produits agro–alimentaires (exemple : yaourts, jus de fruits, etc.)
2. petit coin cosmétique,
3. petit coin électronique (et informatique),
4. petit coin quincaillerie.

YERITH–SUPÉRETTE **a le personnel suivant** :

1. directeur général : "Xavier Noundou (Pr. Prof. Dr.–Ing.)"
2. caissier
3. gardien et / ou agent d'entretien.

YERITH–SUPÉRETTE utilise le progiciel de gestion intégré YERITH–PGI–3.0 pour ses opérations de gestion commerciale!



La fenêtre des marchandises

OPÉRATIONS

Matériels Point–de–Vente

✓ Lecteur de code–barres, etc.



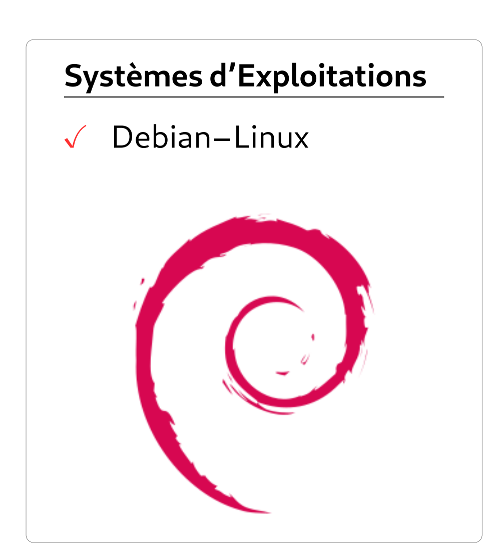
Systèmes–de–Gestion de Base–de–Données

✓ MySQL



Systèmes d'Exploitations

✓ Debian–Linux



YERITH–CENTRE DE FORMATION INFORMATIQUE : Description Du Projet De Centre de formation en Informatique

YERITH–CENTRE DE FORMATION INFORMATIQUE **est un institut de formation qualifiante en informatique situé** :

1. juste à l'entrée de la ville de "YAOUNDÉ";
2. aux alentours de "BARRIÈRE";
3. face de l'entrée du quartier "etoa";
4. À L'IMMEUBLE YERITH!



Vue d'ensemble face immeuble YERITH.

YERITH–CENTRE DE FORMATION INFORMATIQUE **comportera dans 1 premier temps d'1 salle de formation de 27 m^2 de superficie. Elle sera comme suit** :

Table 1 – MATÉRIELS INFORMATIQUES RE–PROPOSÉS

QUANTITÉS	MATÉRIELS
1) 1	climatiseur portatif
2) 1	table ovale de conférence
3) 1	tableau blanc avec marqueurs indélébiles
4) 2	vidéoprojecteurs
5) 8	chaises en fer
6) 1	routeur Wifi MARQUE NXP-300
7) 2	MULTI–USER Terminal **NC–300** de "http://www.savingology.com"
8) 2	ordinateurs-PC
9) 6	écrans plats d'ordinateurs
10) 6	souries d'ordinateurs PS / 2
11) 6	claviers d'ordinateurs PS / 2



Vue de la salle de 27 m^2.

YERITH–CENTRE DE FORMATION INFORMATIQUE **a le personnel suivant** :

1. P.D.-G. ("Xavier Noundou (Pr. Prof. Dr.–Ing.)"),
2. gardien et / ou agent d'entretien.

Chantier de construction

Vue intérieure du 2ème portail manquant.



Vue intérieure de l'entrée secondaire de la salle 1 de 27 m^2.



Vue intérieure du portillon de l'entrée.



1 Description du Centre de Formation

Ce centre de formation en Informatique est la propriété de la start–up entrepreneuriale de Génie des Systèmes de Gestion Informatisés YERITH r&d.

Le fondateur et directeur général de YERITH r&d est **Prof. Dr. Xavier Noundou**.

YERITH r&d est 1 start-up entrepreneuriale à vocation confessionnelle évangélique, Et non laïque !

Des principes laïques sont non compatibles avec la foi chrétienne de ***JEOVAH–NISSI*** (ou encore ***JÉSUS–DE–NAZARETH***), telle que proclamée dans la Sainte Bible évangélique chrétienne; Par opposition à la `Bible Tobie catholique orthodoxe` :

- Mariage homosexuel ("Lévitique 20 verset 13, version Louis Segond de 1910" [1])!

Les cours de centre de formation ont pour cibles les personnes suivantes :

1. Travailleurs qualifiés en Informatique.
2. Travailleurs qualifiés en Sciences et en Génie.
3. Élèves et écoliers des établissements confessionnelles évangéliques.
4. Étudiants dans les universités publiques confessionnelles évangéliques.
5. Étudiants dans les universités du monde moderne (incluant des catholiques orthodoxes).

2 SITUATION GÉOGRAPHIQUE

"Immeuble YERITH" est situé à Yaoundé, face 2ème entrée de l'entreprise industrielle forestière S2TBED, au quartier Ahala - Barrière ("derrière savonnerie NOSA").

3 CONTACTS

1. ÉMAIL : YERITH.XAVIER@gmail.com
2. TÉLÉPHONE (Réseau MTN) : 6 52 39 69 50 – Xavier.

1. `https://saintebible.com/leviticus/20-13.htm`

4 HORAIRES DE COURS ET D'OUVERTURES (DÈS LE 09 JANVIER 2024)

Lundi à Vendredi

1. Matin : 08 : 00 – 12 : 00.
2. Après–Midi : 14 : 00 – 17 : 30.

Week-end

1. Samedi : 08 : 00 – 12 : 00.
2. Dimanche : FERMÉ.

5 CANDIDATS AUX COURS PROPOSÉS

Les tarifs des cours sont présentés en Section 7.

LES COURS (Section 8) SERONT RÉ–AMÉNAGÉS en fonction du niveau des candidats.

TOUS LES COURS, excepté le cours [COURS–4] ("Initiation à l'informatique ..."), REQUIERT AU MINIMUM LE NIVEAU D'ÉDUCATION DE LA CLASSE DE 3ème DE L'ENSEIGNEMENT SECONDAIRE FRANCOPHONE AU CAMEROUN.

1 niveau excellent au 1er cours suivis : ([COURS–4]), peut permettre l'accès aux autres cours, graduellement; SANS nécessiter le retour à la classe de 3ÈME DE L'ENSEIGNEMENT SECONDAIRE FRANCOPHONE AU CAMEROUN.

LES COURS [COURS–20] ("STUDIO PROJET ...") ET [COURS–24] ("... DÉVELOPPEMENT D'APPLICATIONS WEB ...") REQUIÈRENT 1 NIVEAU DE BACCALAURÉAT SCIENTIFIQUE ET / OU TECHNIQUE.

LES AUTRES COURS de [COURS–12] À [COURS–26] REQUIÈRENT LE NIVEAU DE LICENCE EN INFORMATIQUE AU MINIMUM EN ÉQUIVALENCE, et sont dispensés de préférence en Anglais.

6 INSCRIPTION

LES FRAIS D'INSCRIPTION AU CENTRE DE FORMATION sont de l'ordre de 50 MILLES FRANCS , et sont ***NON REMBOURSABLES*** : 1 REÇU EST ÉMIS APRÈS PAYEMENT DES FRAIS OU D'1 PARTIE DES FRAIS.

Les documents suivants sont requis pour 1 inscription aux cours de ce centre de formation en Informatique qualifiante :

— 1 carte d'identité nationale (CNI) valide, ou 1 récépissé en cours de validité.

1 ***CERTIFICAT DE RÉUSSITE DE FORMATION SERA DÉLIVRÉE À L'ISSUE D'*1 *FORMATION ACCOMPLIE À* 1 *COURS SUIVIS AVEC SUCCÈS.***

7 TARIFS TABULAIRES

1 heure (1h) de cours représente 45 minutes de délibérés et 15 minutes de pause.

Tableau 1 – TARIFS TABULAIRES DES COURS PROPOSÉS (Section 8)

COURS PROPOSÉS	NOMBRE D'HEURES DE COURS ET DE TD	TARIFS (DISCUTABLES)
INSCRIPTION	N/A	50 MILLES
[COURS–3]; MATHÉMATIQUES POUR L'INFORMATIQUE	21 **heures** [1.5h x 2 x 7-semaines]	84 MILLES
[COURS–4]; INITIATION À L'INFORMATIQUE	06 **heures** [1h x 3 x 2-semaines]	21 MILLES
[COURS–5]; INSTALLER LE SYSTÈME D'EXPLOITATION Debian Linux	06 **heures** [1h x 3 x 2-semaines]	30 MILLES
[COURS–6]; INITIATION À L'INFORMATIQUE DE GESTION, AVEC YERITH–ERP–PGI–3.0	32 **heures** [1.5h x 4 x 6-semaines]	108 MILLES
[COURS–7]; SITES WEB STATIQUES AVEC GOOGLE–SITES	36 **heures** [2h x 3 x 6-semaines]	126 MILLES
[COURS–9]; INITIATION ÉQUIVALENT MS-OFFICE-WORD-EXCEL-ETC., LIBREOFFICE	18 **heures** [1.5h x 4 x 3-semaines]	36 MILLES
[COURS–10]; MANIPULATION D'IMAGES	09 **heures** [1.5h x 2 x 3-semaines]	27 MILLES
[COURS–11]; RÉDIGER DES DOCUMENTS SCIENTIFIQUES AVEC LATEX	27 **heures** [1.5h x 3 x 6-semaines]	93 MILLES
[COURS–15]; INTRODUCTION A LA PROGRAMMATION IMPERATIVE, C, C++	36 **heures** [2h x 3 x 6-semaines]	180 MILLES
[COURS–18] INTRODUCTION AU TEST ET À LA VÉRIFICATION DE PROGRAMMES INFORMATIQUES	29 **heures** [2h x 2 x 7-semaines]	140 MILLES
[COURS–20]; STUDIO PROJET PROGICIEL C++, Java, UML 2.0	42 **heures** [2h x 3 x 7-semaines]	250 MILLES
[COURS–24]; INTRODUCTION AU DÉVELOPPEMENT D'APPLICATIONS WEB (AVEC PROJET)	42 **heures** [3h x 2 x 7-semaines]	105 MILLES
[COURS–25]; ADMINISTRATION SYSTÈME AVEC Debian Linux	18 **heures** [1.5h x 4 x 3-semaines]	90 MILLES
[COURS–26]; TRAVAIL DE RECHERCHE INDÉPENDANT SUPERVISÉ	42 **heures** [1.5h x 4 x 7-semaines]	200 MILLES
[COURS–27]; COURS DE DOCTRINE PENTECÔTISTE CHRÉTIENNE	2 **heures** [1h x 2 x 1-semaine]	20 MILLES
[COURS–28]; COURS DE SOFT-SKILLS	2 **heures** [1.5h x 2 x 1-semaine]	18 MILLES
AUTRES COURS EN FONCTION DU NIVEAU DU CANDIDAT ET À LA DEMANDE	*XX* **heures**	*XXX* MILLES

7.1 Technologies et Applications LIBRES ET GRATUITES ("FOSS")

Ce centre de formation met l'accent sur des cours en Informatique pratique et en Informatique appliquée.

Les technologies et applications LIBRES ET GRATUITES ("**FOSS**" en Anglais; pour "Free And Open Source Software") sont privilégiées dans l'apprentissage aux fins de réduire des coûts de formation et permettre à l'apprenant d'exercer ses compétences à moindre coût, au vue du retard technologique et économique du continent Africain.

1 ***accent particulier est mis sur la méthodologie, et non seulement l'application de la technologies***; ceci facilite l'utilisation des compétences acquises dans différents projets avec des technologies et / ou applications différentes de celles utilisées dans ce centre de formation.

Par exemple : la transition du SGBD (Système de Gestion de Base de Données) "FOSS" **MySQL** au SGBD commercial **Oracle** ne serait pas 1 problème important.

7.2 Auto–Emploi : Entrepreneuriat

Les technologies et applications LIBRES ET GRATUITES ("**FOSS**" en Anglais; pour "**Free And Open Source Software**") sont privilégiées dans l'apprentissage aux fins de permettre l'auto–emploi de l'apprenant beaucoup plus simple, et moins coûteux.

En effet, l'utilisation des technologies et / ou applications propriétaires peuvent être très onéreuses.

À la demande des apprenants, les promoteurs du centre de formation peuvent accompagner idéologiquement, et / ou matériellement les candidats qualifiés et compétents dans leur projet d'entrepreneuriat technologique de l'information et de la communication (TIC).

8 COURS PROPOSÉS

1. [COURS–1] ; Anglais pour l'informatique.
2. [COURS–2] ; Allemand pour l'informatique.
3. [COURS–3] ; Mathématiques (algèbre linéaire, logique) pour l'informatique.
4. [COURS–4] ; Initiation à l'informatique avec le système d'exploitation **"LIBRE ET GRATUIT (FOSS)"** Debian Linux (HTTPS://DEBIAN.ORG) (avec DES NOTIONS DE SÉCURITÉ DE L'INFORMATION, COURRIEL (email), YOUTUBE.COM, LICENCES et droits d'auteurs, ETC.).
5. [COURS–5] ; Installer le système d'exploitation Debian Linux.
6. [COURS–6] ; Informatique de Gestion; Installer et réutiliser le progiciel de gestion intégré (ERP en Anglais) YERITH–ERP–PGI–3.0 (HTTPS://ZENODO.ORG/RECORD/8060217), PHPMYADMIN.
7. [COURS–7] ; Initiation à la programmation de sites web statiques grâce à GOOGLE SITES (HTTPS://SITES.GOOGLE.COM).
8. [COURS–8] ; Initiation à la réutilisation au système de gestion de base de données **"LIBRE ET GRATUIT (FOSS)"** MySQL (HTTPS://MARIADB.COM) sous Debian Linux (Exemples avec PHPMYADMIN).
9. [COURS–9] ; Initiation à la rédaction de documents avec 1 équivalent de MS–OFFICE–WORD–POWERPOINT–EXCEL : LibreOffice (HTTPS://WWW.LIBREOFFICE.ORG) sous Debian Linux.
10. [COURS–10] ; Initiation à la manipulation et la réutilisation d'images prises par caméra sous Debian Linux; ENTRE AUTRES AVEC ImageMagick (HTTPS://IMAGEMAGICK.ORG/), et / ou Xfig.
11. [COURS–11] ; Initiation à la rédaction de documents (scientifiques) grâce à LaTex (HTTPS://WWW.LATEX-PROJECT.ORG) sous Debian Linux.
12. [COURS–12] ; CRÉER DES RÉSAUX LAN avec Wifi .
13. [COURS–13] ; INTRODUCTION À L'ARCHITECTURE DES ORDINATEURS ("VON NEUMANN"; CISC; RISC).
14. [COURS–14] ; INTRODUCTION À LA PROGRAMMATION DES SCRIPTS (exemples avec sed [2] , AWK [3] , Bash [4]).
15. [COURS–15] ; INTRODUCTION À LA PROGRAMMATION IMPÉRATIVE avec C / C++ [5] (exemples avec Valkyrie (VALGRIND) [6] , GDB [7] , Bash, Make [8] , et Git [9]).
16. [COURS–16] ; INTRODUCTION À LA PROGRAMMATION ORIENTÉE OBJET (exemples avec Git, Make, Findbugs, Ant [10] , JUnit [11] , C++, et JAVA [12]).
17. [COURS–17] ; INTRODUCTION À LA PROGRAMMATION DES INTERFACES GRAPHIQUES AVEC Qt 5 [13] .
18. [COURS–18] ; INTRODUCTION AU TEST ET À LA VÉRIFICATION DE PROGRAMMES INFORMATIQUES (exemples avec Ant, Findbugs, JUnit, Cobertura [14], GDB, Gcov [15] , lcov [16] , Valkyrie (VALGRIND), YERITH_QVGE [17]).
20. [COURS–20] ; STUDIO PROJET DE DÉVELOPPEMENT SYSTÈME–LOGICIEL ORIENTÉ OBJET avec C++ ET / OU JAVA, UML 2.0.
21. [COURS–21] ; INTRODUCTION À LA CRÉATION DE COMPILATEURS * (FLEX, BISON).
22. [COURS–22] ; STRUCTURES DE DONNÉES (exemples : GRAPHES, AUTOMATES, MAP, ETC.).
23. [COURS–23] ; SOFTWARE VERIFICATION WITH PROGRAM ANALYSIS * (exemples : YERITH_QVGE, ETC.).
24. [COURS–24] ; INTRODUCTION AU DÉVELOPPEMENT D'APPLICATIONS WEB; cours comportant 1 projet (exemples : Ant, Selenium, HTML, CSS (Cascading Style Sheets), JSON, PHP (Personal Home Pages), MySQL, PHPMYADMIN, JSP (Java Server Pages) [18] , Apache Tomcat, GWT (Google Web Toolkit), ETC.).

2. https://www.gnu.org/software/sed/
3. https://www.gnu.org/software/gawk/
4. https://www.gnu.org/software/bash/
5. https://www.en.wikipedia.org/wiki/C++
6. https://www.github.com/yerithd/valkyrie_NON_OFFICIAL
7. https://www.sourceware.org/gdb/
8. https://www.gnu.org/software/make/
9. https://www.git-scm.com
10. https://www.ant.apache.org
11. https://www.junit.org/junit5
12. https://www.ibm.com/topics/java
13. https://www.doc.qt.io/qt-5/index.html
14. https://cobertura.github.io/cobertura
15. https://
16. https://
17. https://www.github.com/yerithd/yr-db-runtime-verif
18. https://www.

25. [COURS–25] ; ADMINISTRATION SYSTÈME avec Debian Linux (exemples : SED, AWK, BASH, UFW, ETC.).

26. [COURS–26] ; TRAVAIL DE RECHERCHE INDÉPENDANT SUPERVISÉ.

27. [COURS–27] ; COURS DE DOCTRINE PENTECÔTISTE CHRÉTIENNE DE JEOVAH–NISSI (aussi dit JÉSUS–DE–NAZARETH).

28. [COURS–28] ; COURS DE soft–skills (Rédiger son résumé. Comment faire 1 présentation 'SLIDES', etc.).

Tableau 2 – COURS ASSOCIÉS (en Section 8)

MÉTIER	COURS ASSOCIÉS	TOTAL
Développeur Web dynamique	[COURS–1], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–12], [COURS–14], [COURS–15], [COURS–24], [COURS–25]	10
Administrateur De Base de données SQL	[COURS–1], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–12], [COURS–14], [COURS–24], [COURS–25]	09
Administrateur Système	[COURS–1], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–9], [COURS–10], [COURS–12], [COURS–14], [COURS–15], [COURS–24], [COURS–25]	12
Consultant en Progiciels de Gestion Intégré	[COURS–1], [COURS–3], [COURS–4], [COURS–5], [COURS–6], [COURS–8], [COURS–9], [COURS–11], [COURS–12], [COURS–14], [COURS–15], [COURS–24], [COURS–25]	13
Développeur D'applications Web	[COURS–1], [COURS–3], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–9], [COURS–10], [COURS–12], [COURS–13], [COURS–14], [COURS–15], [COURS–16], [COURS–18], [COURS–22], [COURS–24], [COURS–25]	17
Développeur Progiciels, Rédacteur Technique (Latex)	[COURS–1], [COURS–3], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–9], [COURS–10], [COURS–11], [COURS–12], [COURS–13], [COURS–14], [COURS–15], [COURS–16], [COURS–17], [COURS–18], [COURS–20], [COURS–22], [COURS–23], [COURS–24], [COURS–25]	21
Développeur – Chercheur (MASTER) en Ingénierie Informatique	[COURS–1], [COURS–3], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–9], [COURS–10], [COURS–11], [COURS–12], [COURS–13], [COURS–14], [COURS–15], [COURS–16], [COURS–17], [COURS–18], [COURS–20], [COURS–22], [COURS–23], [COURS–24], [COURS–25], [COURS–26], [COURS–27]	23
Développeur – Chercheur (DOCTEUR) en Ingénierie Informatique	[COURS–1], [COURS–3], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–9], [COURS–10], [COURS–11], [COURS–12], [COURS–13], [COURS–14], [COURS–15], [COURS–16], [COURS–17], [COURS–18], [COURS–20], [COURS–21], [COURS–22], [COURS–23], [COURS–24], [COURS–25], [COURS–26], [COURS–27]	24

Le Tableau 2 illustre pour chaque métier listé à la section 9 des cours qui permettraient 1 APPROFONDISSEMENT ou 1 accès plus facile à des formations et / ou qualifications académiques et / ou professionnelles.

POSSIBLES EMPLOIS et MÉTIERS

- ***Développeur Web dynamique*** :
  1. Sociétés commerciales et / ou administrations publiques pour créer, tester, installer, et / ou maintenir des sites web en réseau local pour la comptabilité matière.
  2. Magasin de ventes en ligne pour entretenir le site web.
- ***Administrateur De Base de données SQL*** :
  1. Employé dans 1 start-up et /ou PME pour assurer 1 maintenance du réseau informatique local; créer 1 ou des sites web; exécuter des tâches sur des bases de données SQL, avec pour commanditaire des développeurs d'applications web; etc.
- ***Administrateur Système*** :
  1. Employé dans 1 start-up et /ou PME, sous la direction d'1 ingénieur de travaux de grade au minimum en équivalence; Pour sélectionner, tester, installer, maintenir des applications en réseau local et / ou réseau WAN ("Wide Area Network").
- ***Consultant en Progiciels de Gestion Intégré*** :
  1. Sociétés commerciales et / ou administrations publiques pour sélectionner, installer, maintenir des applications de gestion managériale.
  2. Entreprendre dans des solutions de gestion commerciale spécialisées pour start-up, et / ou Petites et Moyennes Entreprises (PME).
- ***Développeur D'applications Web*** :
  1. Sociétés commerciales et / ou administrations publiques pour créer, tester, installer, et / ou maintenir des applications web en réseau local pour la comptabilité matière.

2. Magasin de ventes en ligne pour entretenir le site web.

- ***Développeur Progiciels, aussi Rédacteur Technique (Latex)*** :

1. Sociétés commerciales et / ou administrations publiques pour créer, tester, installer, et / ou maintenir des applications web, et /ou lourdes graphiques, en réseau local; Sous la supervision d'1 informaticien d'1 grade minimum de "MASTER of Science" EN équivalence académique.
2. Toute organisation entrepreneuriale peut bénéficier de ses compétences pour rédiger des documents scientifiques et / ou technique : EXEMPLE : guide de l'utilisateur, etc..

- ***Développeur – Chercheur (MASTER) en Ingénierie Informatique*** :

1. Sociétés commerciales et / ou administrations publiques pour créer, tester, installer, et / ou maintenir des applications web, et /ou lourdes graphiques.

- ***Développeur – Chercheur (DOCTEUR) en Ingénierie Informatique*** :

1. Sociétés commerciales et / ou administrations publiques pour : Former des jeunes informaticiens, créer des applications nouvelles et innovantes aussi bien dans l'application que dans les technologies ré-utilisées.
2. Entreprendre dans des solutions spécialisées nouvelles et innovantes aussi bien dans l'application que dans les technologies ré-utilisées .

9 QUALIFICATIONS MÉTIERS

9.1 QUALIFICATIONS MÉTIERS et COURS ASSOCIÉS DU CENTRE DE FORMATION

Les cours proposés (Section 8) par ce centre de formations qualifiantes en Informatique permettraient 1 ***APPROFONDISSEMENT ou*** 1 ***accès plus facile aux formations pour des professions suivantes*** :

1. Développeur Web dynamique (HTML, CSS (Cascading Style Sheets), PHP, MySQL, JavaScript, JSON)
2. Administrateur De Base de données SQL
3. Administrateur Système (Debian Linux, MS-WINDOWS, Apple)
4. Consultant en Progiciels de Gestion Intégré (PGI; ERP en Anglais)
5. Développeur D'applications Web (HTML, CSS (Cascading Style Sheets), PHP, Apache Tomcat, Java Servlets (JSP inclus), Google Web Toolkit (GWT))
6. Développeur Progiciels (Qt, C++, Java, C#); Rédacteur Technique
7. Développeur – Chercheur (MASTER) en Informatique
8. Développeur – Chercheur (DOCTEUR) en Informatique.

BIOGRAPHIE DU PROMOTEUR ET ENSEIGNANT PRINCIPAL

Promoteur et Enseignant "Xavier Noundou (Prof. Dr.)"

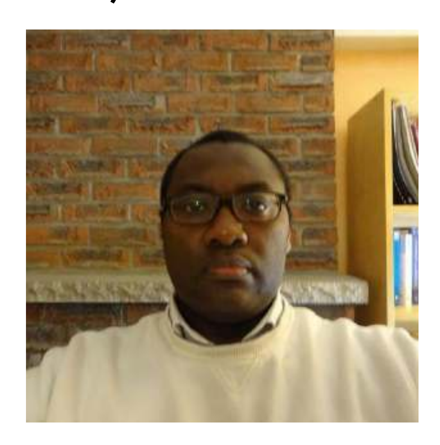


Figure 1 – Portrait de "Xavier Noundou (Prof. Dr.)".

Prof. Dr. Xavier Noundou est chrétien évangélique "Born-Again (né-de-nouveau)", camerounais, et né le 16 septembre 1983 à Douala dans la région du littoral au Cameroun.

Prof. Dr. Xavier Noundou a 1 grade académique et professionnel de "***Diplom–Informatiker***" provenant de **l'université de Brême en République Fédérale d'Allemagne (RFA)**, depuis le 25 Mai 2007.

Prof. Dr. Xavier Noundou a 1 grade académique et professionnel de "***Docteur en Ingénierie***" : "***Doctor of Engineering (Ph.D.)***", provenant de **l'Université de Waterloo (Waterloo, Ontario, canada)**, depuis le 20 Décembre 2011 !

Sa dissertation est : "***Temporal Property Verification in Plugin-based Software***".

Prof. Dr. Xavier Noundou a des contributions en recherches et développements, académiques et en ingénierie professionnelle comme suit :

1. 'Statistical test case generation for reactive systems' RTT-MBT ; pour la start-up VERIFIED SYSTEMS INTERNATIONAL GmbH (https://www.verified.de) de l'Université de Brême en Allemagne fédérale.
2. Enterprise Resource Planing (ERP) Software System 'YERITH-ERP-3.0' :
   1) code source en C^{++} :
      a. YERITH–ERP–3.0 : `https://www.github.com/yerithd/yerith-erp-9-0`
      b. YERITH–ERP–3.0 SYSTEM DAEMON : `https://www.github.com/yerithd/yerith-erp-9-0-system-daemon`
   2) publications en continue : `https://zenodo.org/record/8205911` .
3. Dynamic Program Analysis Generator 'YERITH_QVGE'
   1) code source en C^{++} : `https://www.github.com/yerithd/yr_db_runtime_verif` `https://www.github.com/yerithd/yr_sd_runtime_verif_UNIT_TESTS` `https://www.github.com/yerithd/yr_db_runtime_verif_lang` `https://www.github.com/yerithd/yr-db-runtime-verif`
   2) document scientifique et / ou technique : `https://zenodo.org/record/8381187` .

EXPERTISES :

Prof. Dr. Xavier Noundou possède des expertises et compétences suivantes :

— Gestion des projets et des Start–up technologiques.

— Édition d'ouvrages techniques et scientifiques.

— Informatique de Gestion
  1. Gestion de la Stratégie de L'information (flux des données, et matériels informatique)
  2. Implémentation du Progiciel de Gestion Intégré YERITH–PGI–3.0.

— Conception de Progiciels
  - Assurance Qualité du Progiciel (`JUnit`, `FINDBUGS`, `CPPCHECK`, ETC.)
  - Construction du Progiciel (`Qt 5`, C^{++}, MySQL, ETC.)

1 DESCRIPTION DU CENTRE DE FORMATION

Ce centre de formation en Informatique est la propriété de la start–up entrepreneuriale de Génie des Systèmes de Gestion Informatisés YERITH$_{r\&d}$.

Le fondateur et directeur général de YERITH$_{r\&d}$ est **Pr. Prof. Dr.–Ing. XAVIER ~~noumbissi~~ NOUNDOU**.

YERITH$_{r\&d}$ est 1 start-up entrepreneuriale à vocation confessionnelle évangélique, Et non laïque!

Des principes laïques sont non compatibles avec la foi chrétienne de ***JEOVAH–NISSI*** (ou encore ***JÉSUS–DE–NAZARETH***), telle que proclamée dans la Sainte Bible évangélique chrétienne; Par opposition à la **`Bible Tobie catholique orthodoxe`** :

- Mariage homosexuel :
  - "Lévitique 20 verset 13, version Louis Segond de 1910" (`https://saintebible.com/leviticus/20-13.htm`);
  - "Romains 1 verset 26 À 28, version Louis Segond de 1910"

Les cours de centre de formation ont pour cibles les personnes suivantes :

1. Travailleurs qualifiés en Informatique.
2. Travailleurs qualifiés en Sciences.
3. Travailleurs qualifiés (niveau universitaire gradué et / ou diplomés).
4. Élèves et écoliers des établissements confessionnelles évangéliques.
5. Étudiants dans les universités publiques confessionnelles évangéliques.
6. Étudiants dans les universités du monde moderne (incluant des catholiques orthodoxes).

2 SITUATION GÉOGRAPHIQUE

"Immeuble YERITH" est situé à Yaoundé, face 2ème entrée de l'entreprise industrielle forestière S2TBED, au quartier Ahala - Barrière ("derrière savonnerie NOSA").

3 CONTACTS

1. ÉMAIL : YERITH.XAVIER@gmail.com
2. TÉLÉPHONE (Réseau MTN) : 6 52 39 69 50 – Xavier.

4 HORAIRES DE COURS ET D'OUVERTURES (DÈS LE 09 JANVIER 2024)

LUNDI À VENDREDI

1. Matin : 08 : 00 – 12 : 00.
2. Après–Midi : 14 : 00 – 17 : 30.

WEEK–END

1. Samedi : 08 : 00 – 12 : 00.
2. Dimanche : FERMÉ.

5 INSCRIPTION

LES FRAIS D'INSCRIPTION AU CENTRE DE FORMATION sont de l'ordre de 50 **MILLES FRANCS**, et sont ***NON REMBOURSABLES*** : 1 REÇU EST ÉMIS APRÈS PAYEMENT DES FRAIS OU D'1 PARTIE DES FRAIS.

Les documents suivants sont requis pour 1 inscription aux cours de ce centre de formation en Informatique qualifiante :

- 1 carte d'identité nationale (CNI) valide, ou 1 récépissé en cours de validité.

1 ***CERTIFICAT DE RÉUSSITE DE FORMATION SERA DÉLIVRÉE À L'ISSUE D'***1 ***FORMATION ACCOMPLIE À*** 1 ***COURS SUIVIS AVEC SUCCÈS.***

6 QUALIFICATIONS MÉTIERS et COURS ASSOCIÉS

Les cours proposés (EN PIÈCE JOINTE), par ce centre de formations qualifiantes en Informatique permettraient 1 ***APPROFONDISSEMENT ou*** 1 ***accès plus facile aux formations pour des professions suivantes*** :

1. Développeur Web dynamique (HTML, CSS (Cascading Style Sheets), PHP, MySQL, JavaScript, JSON)
2. Administrateur De Base de données SQL
3. Administrateur Système (Debian Linux, MS-WINDOWS, Apple)
4. Consultant en Progiciels de Gestion Intégré (PGI; ERP en Anglais)
5. Développeur D'applications Web (HTML, CSS (Cascading Style Sheets), PHP, Apache Tomcat, Java Servlets (JSP inclus), Google Web Toolkit (GWT))
6. Développeur Progiciels (Qt, C^{++}, `Java`, C#); Rédacteur Technique
7. Développeur – Chercheur (MASTER) en Informatique
8. Développeur – Chercheur (DOCTEUR) en Informatique.

COURS PROPOSÉS

1. [COURS–1] ; Anglais pour l'informatique.
2. [COURS–2] ; Allemand pour l'informatique.
3. [COURS–3] ; Mathématiques (algèbre linéaire, logique) pour l'informatique.
4. [COURS–4] ; Initiation à l'informatique avec le système d'exploitation **"LIBRE ET GRATUIT (FOSS)"** Debian Linux (HTTPS://DEBIAN.ORG) (avec DES NOTIONS DE SÉCURITÉ DE L'INFORMATION, COURRIEL (email), YOUTUBE.COM, LICENCES et droits d'auteurs, ETC.).
5. [COURS–5] ; Installer le système d'exploitation Debian Linux.
6. [COURS–6] ; Informatique de Gestion; Installer et réutiliser le progiciel de gestion intégré (ERP en Anglais) YERITH–ERP–PGI–9.0 (HTTPS://ZENODO.ORG/RECORD/8060217), PHPMYADMIN.
7. [COURS–7] ; Initiation à la programmation de sites web statiques grâce à GOOGLE SITES (HTTPS://SITES.GOOGLE.COM).
8. [COURS–8] ; Initiation à la réutilisation au système de gestion de base de données **"LIBRE ET GRATUIT (FOSS)"** MySQL (HTTPS://MARIADB.COM) sous Debian Linux (Exemples avec PHPMYADMIN).
9. [COURS–9] ; Initiation à la rédaction de documents avec 1 équivalent de MS–OFFICE–WORD–POWERPOINT–EXCEL : LibreOffice (HTTPS://WWW.LIBREOFFICE.ORG) sous Debian Linux.
10. [COURS–10] ; Initiation à la manipulation et la réutilisation d'images prises par caméra sous Debian Linux; ENTRE AUTRES AVEC ImageMagick (HTTPS://IMAGEMAGICK.ORG/), et / ou Xfig.
11. [COURS–11] ; Initiation à la rédaction de documents (scientifiques) grâce à LaTex (HTTPS://WWW.LATEX-PROJECT.ORG) sous Debian Linux.
12. [COURS–12] ; CRÉER DES RÉSAUX LAN avec Wifi .
13. [COURS–13] ; INTRODUCTION À L'ARCHITECTURE DES ORDINATEURS ("VON NEUMANN"; CISC; RISC).
14. [COURS–14] ; INTRODUCTION À LA PROGRAMMATION DES SCRIPTS (exemples avec sed , AWK , Bash).
15. [COURS–15] ; INTRODUCTION À LA PROGRAMMATION IMPÉRATIVE avec C / C++ (exemples avec Valkyrie (VALGRIND) , GDB , Bash, Make , et Git).
16. [COURS–16] ; INTRODUCTION À LA PROGRAMMATION ORIENTÉE OBJET (exemples avec Git, Make, Findbugs, Ant , JUnit , C++, et JAVA).
17. [COURS–17] ; INTRODUCTION À LA PROGRAMMATION DES INTERFACES GRAPHIQUES AVEC Qt 5 .
18. [COURS–18] ; INTRODUCTION AU TEST ET À LA VÉRIFICATION DE PROGRAMMES INFORMATIQUE ORIENTÉE OBJETS (exemples avec Ant, Findbugs, JUnit, Cobertura, GDB, Gcov , lcov , Valkyrie (VALGRIND), YERITH_QVGE).
20. [COURS–20] ; STUDIO PROJET DE DÉVELOPPEMENT SYSTÈME–LOGICIEL ORIENTÉ OBJET avec C++ ET / OU JAVA, UML 2.0.
21. [COURS–21] ; INTRODUCTION À LA CRÉATION DE COMPILATEURS * (FLEX, BISON).
22. [COURS–22] ; STRUCTURES DE DONNÉES (exemples : GRAPHES, AUTOMATES, MAP, ETC.).
23. [COURS–23] ; SOFTWARE VERIFICATION WITH PROGRAM ANALYSIS * (exemples : YERITH_QVGE, ETC.).
24. [COURS–24] ; INTRODUCTION AU DÉVELOPPEMENT D'APPLICATIONS WEB (exemples : Ant, SELENIUM, HTML, CSS (Cascading Style Sheets), JSON, PHP (Personal Home Pages), MySQL, PHPMYADMIN, JSP (Java Server Pages) , Apache Tomcat, GWT (Google Web Toolkit), ETC.).
25. [COURS–25] ; ADMINISTRATION SYSTÈME avec Debian Linux (exemples : SED, AWK, BASH, UFW, ETC.).
26. [COURS–26] ; TRAVAIL DE RECHERCHE INDÉPENDANT SUPERVISÉ.
27. [COURS–27] ; COURS DE DOCTRINE PENTECÔTISTE CHRÉTIENNE DE JEOVAH–NISSI (aussi dit JÉSUS–DE–NAZARETH).
28. [COURS–28] ; COURS DE soft–skills (Rédiger son résumé. Comment faire 1 présentation 'SLIDES', etc.).

TARIFS TABULAIRES

1 heure (1h) de cours représente 45 minutes de délibérés et 15 minutes de pause.

Tableau 1 – TARIFS TABULAIRES DES COURS PROPOSÉS

COURS PROPOSÉS	NOMBRE D'HEURES DE COURS ET DE TD	TARIFS (DISCUTABLES)
INSCRIPTION	N/A	50 MILLES
[COURS–3] MATHÉMATIQUES POUR L'INFORMATIQUE	21 **heures** [1.5h x 2 x 7-semaines]	84 MILLES
[COURS–4] INITIATION À L'INFORMATIQUE	06 **heures** [1h x 3 x 2-semaines]	21 MILLES
[COURS–5] INSTALLER LE SYSTÈME D'EXPLOITATION Debian Linux	06 **heures** [1h x 3 x 2-semaines]	30 MILLES
[COURS–6] INITIATION À L'INFORMATIQUE DE GESTION, AVEC YERITH–ERP–PGI–9.0	32 **heures** [1.5h x 4 x 6-semaines]	108 MILLES
[COURS–7] SITES WEB STATIQUES AVEC GOOGLE–SITES	36 **heures** [2h x 3 x 6-semaines]	126 MILLES
[COURS–9] INITIATION ÉQUIVALENT MS-OFFICE-WORD-EXCEL-ETC., LIBREOFFICE	18 **heures** [1.5h x 4 x 3-semaines]	36 MILLES
[COURS–10] MANIPULATION D'IMAGES	09 **heures** [1.5h x 2 x 3-semaines]	27 MILLES
[COURS–11] RÉDIGER DES DOCUMENTS SCIENTIFIQUES AVEC LATEX	27 **heures** [1.5h x 3 x 6-semaines]	93 MILLES
[COURS–15] INTRODUCTION A LA PROGRAMMATION IMPERATIVE, C, C++	36 **heures** [2h x 3 x 6-semaines]	180 MILLES
[COURS–18] INTRODUCTION AU TEST ET À LA VÉRIFICATION DE PROGRAMMES INFORMATIQUES	29 **heures** [2h x 2 x 7-semaines]	140 MILLES
[COURS–20] STUDIO PROJET PROGICIEL C++, Java, UML 2.0	42 **heures** [2h x 3 x 7-semaines]	250 MILLES
[COURS–24] INTRODUCTION AU DÉVELOPPEMENT D'APPLICATIONS WEB (AVEC PROJET)	42 **heures** [3h x 2 x 7-semaines]	105 MILLES
[COURS–25] ADMINISTRATION SYSTÈME AVEC Debian Linux	18 **heures** [1.5h x 4 x 3-semaines]	90 MILLES
[COURS–26] TRAVAIL DE RECHERCHE INDÉPENDANT SUPERVISÉ	42 **heures** [1.5h x 4 x 7-semaines]	200 MILLES
[COURS–27] COURS DE DOCTRINE PENTECÔTISTE CHRÉTIENNE	2 **heures** [1h x 2 x 1-semaine]	20 MILLES
[COURS–28]; COURS DE SOFT-SKILLS	2 **heures** [1.5h x 2 x 1-semaine]	18 MILLES
AUTRES COURS EN FONCTION DU NIVEAU DU CANDIDAT ET À LA DEMANDE	XX **heures**	XXX MILLES

QUALIFICATIONS MÉTIERS et COURS ASSOCIÉS DU CENTRE DE FORMATION

Tableau 2 – QUALIFICATIONS MÉTIERS & COURS ASSOCIÉS

MÉTIER	COURS ASSOCIÉS	TOTAL
Développeur Web dynamique	[COURS–1], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–12], [COURS–14], [COURS–15], [COURS–24], [COURS–25]	10
Administrateur De Base de données SQL	[COURS–1], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–12], [COURS–14], [COURS–24], [COURS–25]	09
Administrateur Système	[COURS–1], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–9], [COURS–10], [COURS–12], [COURS–14], [COURS–15], [COURS–24], [COURS–25]	12
Consultant en Progiciels de Gestion Intégré	[COURS–1], [COURS–3], [COURS–4], [COURS–5], [COURS–6], [COURS–8], [COURS–9], [COURS–11], [COURS–12], [COURS–14], [COURS–15], [COURS–24], [COURS–25]	13
Développeur D'applications Web	[COURS–1], [COURS–3], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–9], [COURS–10], [COURS–12], [COURS–13], [COURS–14], [COURS–15], [COURS–16], [COURS–18], [COURS–22], [COURS–24], [COURS–25]	17
Développeur Progiciels, Rédacteur Technique (Latex)	[COURS–1], [COURS–3], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–9], [COURS–10], [COURS–11], [COURS–12], [COURS–13], [COURS–14], [COURS–15], [COURS–16], [COURS–17], [COURS–18], [COURS–20], [COURS–22], [COURS–23], [COURS–24], [COURS–25]	21
Développeur – Chercheur (MASTER) en Ingénierie Informatique	[COURS–1], [COURS–3], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–9], [COURS–10], [COURS–11], [COURS–12], [COURS–13], [COURS–14], [COURS–15], [COURS–16], [COURS–17], [COURS–18], [COURS–20], [COURS–22], [COURS–23], [COURS–24], [COURS–25], [COURS–26], [COURS–27]	23
Développeur – Chercheur (DOCTEUR) en Ingénierie Informatique	[COURS–1], [COURS–3], [COURS–4], [COURS–5], [COURS–7], [COURS–8], [COURS–9], [COURS–10], [COURS–11], [COURS–12], [COURS–13], [COURS–14], [COURS–15], [COURS–16], [COURS–17], [COURS–18], [COURS–20], [COURS–21], [COURS–22], [COURS–23], [COURS–24], [COURS–25], [COURS–26], [COURS–27]	24

Le Tableau 2 illustre pour chaque métier listé à la section 6 des cours qui permettraient 1 APPROFONDISSEMENT ou 1 accès plus facile à des formations et / ou qualifications académiques et / ou professionnelles.

POSSIBLES EMPLOIS et MÉTIERS

- ***Développeur Web dynamique*** :
  1. Sociétés commerciales et / ou administrations publiques pour créer, tester, installer, et / ou maintenir des sites web en réseau local pour la comptabilité matière.
  2. Magasin de ventes en ligne pour entretenir le site web.
- ***Administrateur De Base de données SQL*** :
  1. Employé dans 1 start-up et /ou PME pour assurer 1 maintenance du réseau informatique local; créer 1 ou des sites web; exécuter des tâches sur des bases de données SQL, avec pour commanditaire des développeurs d'applications web; etc.
- ***Administrateur Système*** :
  1. Employé dans 1 start-up et /ou PME, sous la direction d'1 ingénieur de travaux de grade au minimum en équivalence; Pour sélectionner, tester, installer, maintenir des applications en réseau local et / ou réseau WAN ("Wide Area Network").
- ***Consultant en Progiciels de Gestion Intégré*** :
  1. Sociétés commerciales et / ou administrations publiques pour sélectionner, installer, maintenir des applications de gestion managériale.
  2. Entreprendre dans des solutions de gestion commerciale spécialisées pour start-up, et / ou Petites et Moyennes Entreprises (PME).
- ***Développeur D'applications Web*** :
  1. Sociétés commerciales et / ou administrations publiques pour créer, tester, installer, et / ou maintenir des applications web en réseau local pour la comptabilité matière.
  2. Magasin de ventes en ligne pour entretenir le site web.
- ***Développeur Progiciels, aussi Rédacteur Technique (Latex)*** :
  1. Sociétés commerciales et / ou administrations publiques pour créer, tester, installer, et / ou maintenir des applications web, et /ou lourdes graphiques, en réseau local; Sous la supervision d'1 informaticien d'1 grade minimum de "MASTER of Science" EN équivalence académique.
  2. Toute organisation entrepreneuriale peut bénéficier de ses compétences pour rédiger des documents scientifiques et / ou technique : EXEMPLE : guide de l'utilisateur, etc..
- ***Développeur – Chercheur (MASTER) en Ingénierie Informatique*** :
  1. Sociétés commerciales et / ou administrations publiques pour créer, tester, installer, et / ou maintenir des applications web, et /ou lourdes graphiques.
- ***Développeur – Chercheur (DOCTEUR) en Ingénierie Informatique*** :
  1. Sociétés commerciales et / ou administrations publiques pour : Former des jeunes informaticiens, créer des applications nouvelles et innovantes aussi bien dans l'application que dans les technologies ré-utilisées.
  2. Entreprendre dans des solutions spécialisées nouvelles et innovantes aussi bien dans l'application que dans les technologies ré-utilisées .

1 Introduction

Figure 1 – ILLUSTRATION d'1 "routeur" internet



Le monde est essentiellement digital dans ces temps modernes. La digitalisation permet la facilitation des conditions de vies.

La présentation des données et informations au grand public par voie digitale la mieux appropriée par ces temps modernes est, et reste à ce moment, 1 site internet (WWW–WEB).

Ce cours vise à former des étudiants et / ou élèves à la conception, organisation, implémentation, mise en place et maintenance de sites et applications internet–Web; et ceci avec les toutes dernières technologies stables et viables pour* 1 *usage concurrentiel et long.

2 Enseignant

- Prof. Dr. Xavier Noundou.

3 Documentation Privilégiée Du Cours

1. CONTEXT–SENSITIVE STAGED STATIC TAINT ANALYSIS FOR C USING LLVM, [1], par moi :
   Résumé, chapitre 1, chapitre 2, et chapitre 3.
2. DYNAMIC TAINT ANALYSIS FOR PHP IN QUERCUS [2], par moi :
   chapitre 1, 2, 5, and Appendis A2.
3. **SOFTWARE SYSTEM ARCHITECTURE OF YERITH–ERP–3.0** [3], by ME :
   Tableau 1.1 en 'Sous-section 1.1.2'; chapitre 2 (2 pages); chapitre 4 (2 pages).
4. PHP.NET (https://www.php.net)
5. TOMCAT.APACHE.ORG (https://tomcat.apache.org)

4 Coût Du Cours

- 105 **MILLES FRANCS**; à raison de 2 500 francs l'heure de cours distillé.

5 Durée et Organisation Du Cours

1 heure (1h) de cours représente* 45 *minutes de délibérés et* 15 *minutes de pause.

5.1 Durée du Cours

- 42 heures [3h x 2 x 7–semaines] :

  42 heures reparties en 3 heures 2 fois la semaine, et ce pendant 7 semaines.

5.2 Organisation des cours

Chaque semaine de cours :

- 30 minutes théoriques la semaine
- 05 heures et 30 minutes au laboratoire d'exercices pratiques.

Des détails sur les examens pratiques et exercices sont encore à venir.

6 Contenu Du Cours

1. ***Bref historique de l'internet.***
2. ***Couches du protocole de communication Internet (OSI, pas exhaustif), outils et technologies pare-feux ('firewall' en Anglais), 'PING', 'WHOIS', etc.***
3. ***Architecture d'*1 *site web, architecture d'*1 *application web (n-tiers).***
4. ***Outils d'interactions avec* 1 *application–site–web***; technologies 'navigateur', 'CACHE du navigateur', 'URL (Universal Resource Locator)', 'HTML', 'DTD (Document Type Definition)', 'CSS', 'javascript', etc.
5. ***'GIMP', 'IMAGEMAGICK', Git [4], Ant, Maven, etc.***
6. ***LE LANGAGE DE PROGRAMMATION pour scripts PHP (Personal Home Pages), etc.***
7. ***LE LANGAGE DE PROGRAMMATION interprété JAVA, la technologie JAVA–servlet, des pages JSP (Java Server Pages), serveur d'applications Apache-Tomcat, etc.***
8. ***FICHIERS DE CONFIGURATIONS, 'json files', '.properties files', 'GWT (Google Web Toolkit)', etc.***
9. ***Hébergements de sites et d'applications web, 'SSH (SSL–Secure Socket Layer)'.***
10. ***Outils de débogage d'*1 *application–site–web***; technologies inclues dans 1 navigateur, 'SELENIUM', fichiers 'log' dans 'Apache Tomcat', Java debugger (JDB), etc.
11. Pour le projet, des notions minimalistes suivantes seront abordées : SÉCURITÉ DES APPLICATIONS WEB, GESTION DES BASES DE DONNÉES ***MYSQL***.

1. https://zenodo.org/record/8051293
2. https://zenodo.org/record/8051621
3. https://zenodo.org/records/10086413
4. https://git-scm.com